





**JASPERS Annual Report 2017**

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Sofia integrated urban transport project, Bulgaria

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# Foreword

## EIB Vice-President Vazil Hudák



**G**rowth never occurs by mere chance; it is the result of joint work. Thanks to the close collaboration of its stakeholders, Joint Assistance to Support Projects in European Regions (JASPERS) made several record achievements in 2017.

It completed an unprecedented number of assignments, and the number of JASPERS-supported projects approved by the European Commission reached an all-time high. Taking a bird's eye view across two programming periods and the subsequent broadening of JASPERS' scope and remit, the results are even more impressive. From the start of its operations in 2006 until the end of 2017, JASPERS has been the catalyst for over EUR 100 billion of investment in social cohesion, and completed more than 1 300 assignments.

Our experts are JASPERS' strength. They work closely and effectively with JASPERS' stakeholders to tailor support based on the needs of the European regions which benefit. For more than a decade now, JASPERS has had a significant and positive impact on the way Cohesion Policy is implemented, contributing to the preparation of quality projects and their swift adoption, for the direct benefit of European Union citizens. Its goal is to make the EU more open, competitive, cohesive and fair, and to play its part in global development.

**Vazil Hudák**



# Foreword by **Marc Lemaître**, Director General, DG Regional and Urban Policy, European Commission



2017 was a successful year for major projects in Cohesion Policy. The European Commission received 121 major projects, and we have been swiftly processing them in line with the three-month regulatory deadline. This would not be possible without crucial upstream work by JASPERS, particularly as 56 of these projects were appraised by JASPERS, including 14 Independent Quality Review (IQR) reports. Specifically, the JASPERS IQR Division provided Independent Quality Review and Post-Submission Appraisal reports, further contributing to the quality and consistency of the appraisal. We hope that after the so-called Omnibus modification of the Common Provisions Regulation for Cohesion Policy, the IQR will become increasingly attractive to the Member States, contributing to further simplification and a faster appraisal process.

JASPERS also continued to assist major project promoters via its advisory services to ensure their investments bring the most added value to citizens and comply with the EU legislation and Cohesion Policy priorities.

In 2017 JASPERS underwent an in-depth audit by the European Court of Auditors (ECA), whose Special Report no 1/2018 confirmed the added value of JASPERS in improving the quality of projects but identified a few areas for improvement. Both the European Commission and the EIB are fully committed to ensuring that ECA recommendations are appropriately followed up.

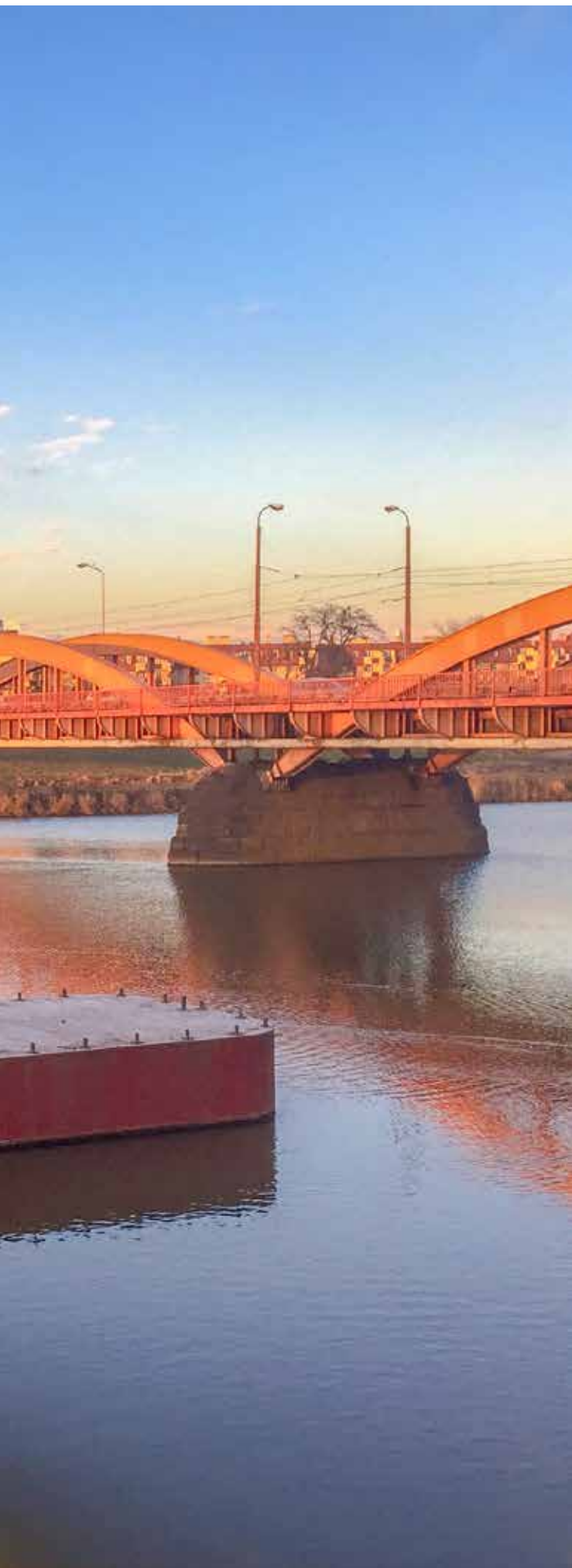
2017 was the last year of the partnership of the European Bank for Reconstruction and Development (EBRD) with JASPERS. I would like to thank the EBRD for their important contribution to the success that JASPERS has achieved over the years.

**Marc Lemaître**

# Activity report







## **JASPERS**

(Joint Assistance to Support Projects in European Regions) is an initiative aimed at improving the quality of investment supported by EU funds: two European Structural and Investment Funds (ESIF), the European Regional Development Fund (ERDF) and the Cohesion Fund (CF); the Connecting Europe Facility (CEF); and the Instrument for Pre-Accession Fund (IPA). It is a partnership between the European Commission and the European Investment Bank. The European Bank for Reconstruction and Development also supported JASPERS from 2006 to 2017.

# Overview of activities in 2017

**In 2017 JASPERS completed a record number of assignments, delivering services across a wider range of projects in more countries.**

An all-time high of 93 JASPERS-supported grant funding applications with a total project cost of almost EUR 18 billion<sup>1</sup> and EU grant support of about EUR 9 billion were approved by the European Commission (EC) with an average time to approval of 89 days. This was about a third of the average time recorded in the 2007-13 programming period (224).

In 2017 JASPERS completed 188 assignments for all mandates, 136 of which were in support of major projects, which continued to be the focus of JASPERS activity.

In recognition of the successful introduction of a new quality management approach, in 2017 JASPERS was awarded the “Committed to Excellence” certification by the European Foundation for Quality Management.

JASPERS activities covered advisory assistance for project preparation, capacity building and project appraisal to support the approval process by the European Commission.

The advisory function of JASPERS covers all aspects of project development, including advice on horizontal issues relevant to more than one project or more than one country, and implementation support.

Linked to the support to project preparation, JASPERS helps to strengthen the administrative capacities of public authorities by means of capacity-building activities, provided to all EU Member States and Candidate Countries through the JASPERS Networking and Competence Centre (NCC).

<sup>1</sup> This figure includes JASPERS-assisted Independent Quality Review appraisals (IQR), Post Submission Appraisals (PSA) and art. 103 projects (phased projects where funding is provided from two programming periods/phased projects where funding is provided from two programming periods)

In 2017 JASPERS continued to operate under three different mandates from the EC: its main mandate from DG Regional and Urban Policy (DG REGIO) for investments funded by two European Structural and Investment Funds (ESIF), the IPA II mandate from DG Neighbourhood and Enlargement Negotiations (DG NEAR) and the Connecting Europe Facility (CEF) mandate from DG Mobility and Transport (DG MOVE).

At the end of 2017, JASPERS had a portfolio of 478 active assignments covering all mandates and all beneficiary countries, and 188 assignments were completed during that year.

**Table 1**  
**JASPERS activity in 2017**

	Completed	On-going	Created
<b>Total</b>	<b>188</b>	<b>478</b>	<b>233</b>
<b>Advisory</b>	<b>133</b>	<b>460</b>	<b>166</b>
ESIF	111	409	133*
CEF	6	3	5
IPA II	16	48	28
<b>Appraisal</b>	<b>55</b>	<b>18</b>	<b>67</b>

\* In 2017, 135 ESIF assignments were created but one was cancelled and one suspended during the year.



Figure 1

Distribution of JASPERS active assignments by country as of 31 December 2017

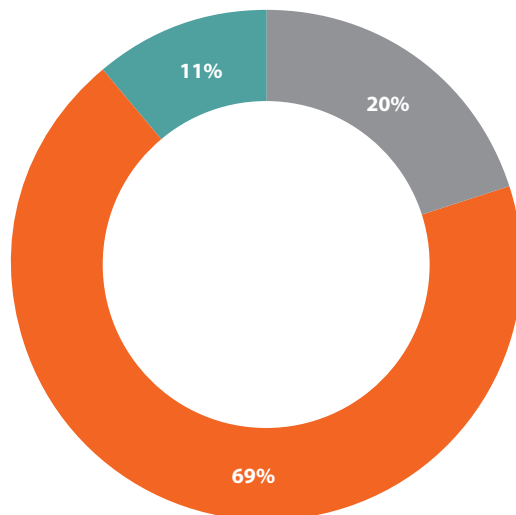
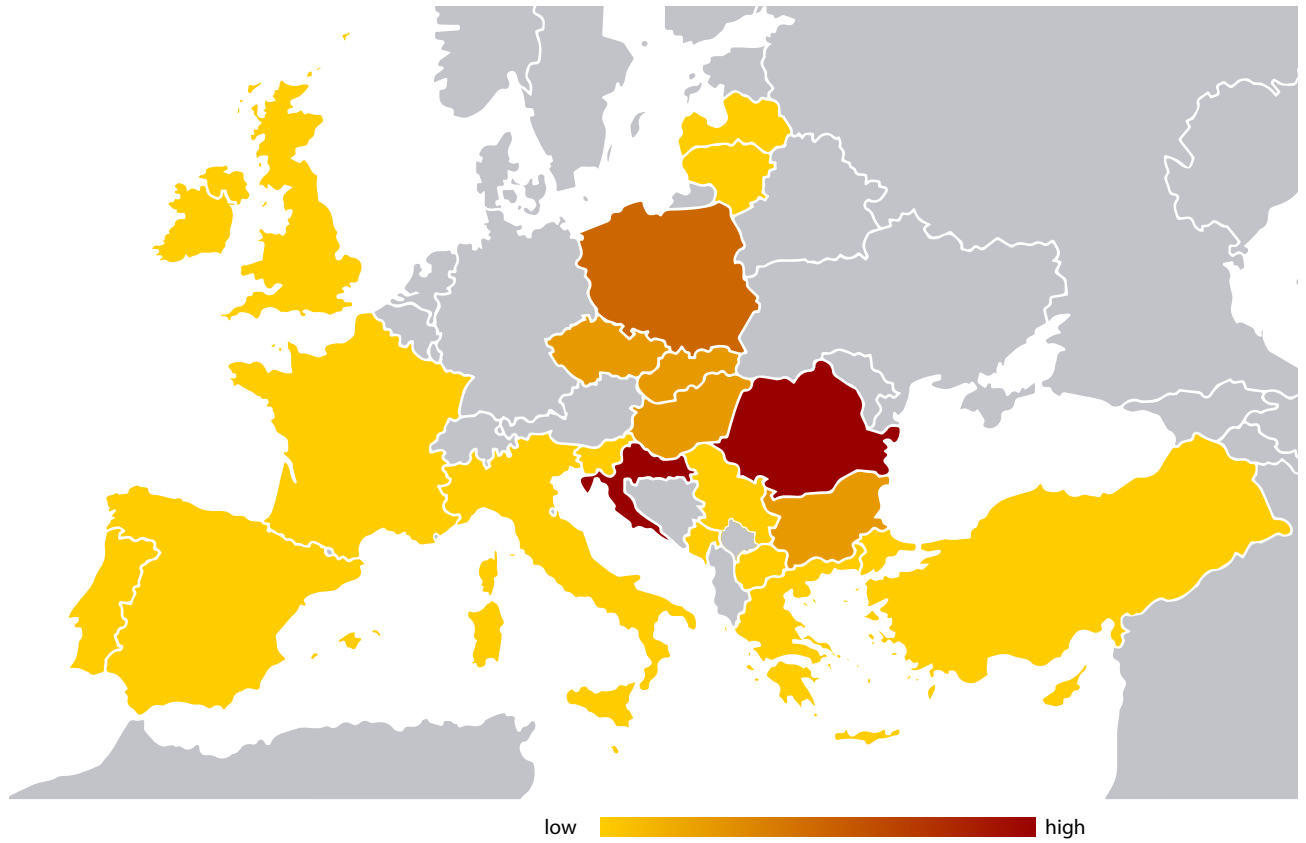


Figure 2

Distribution of JASPERS active assignments by type as of 31 December 2017

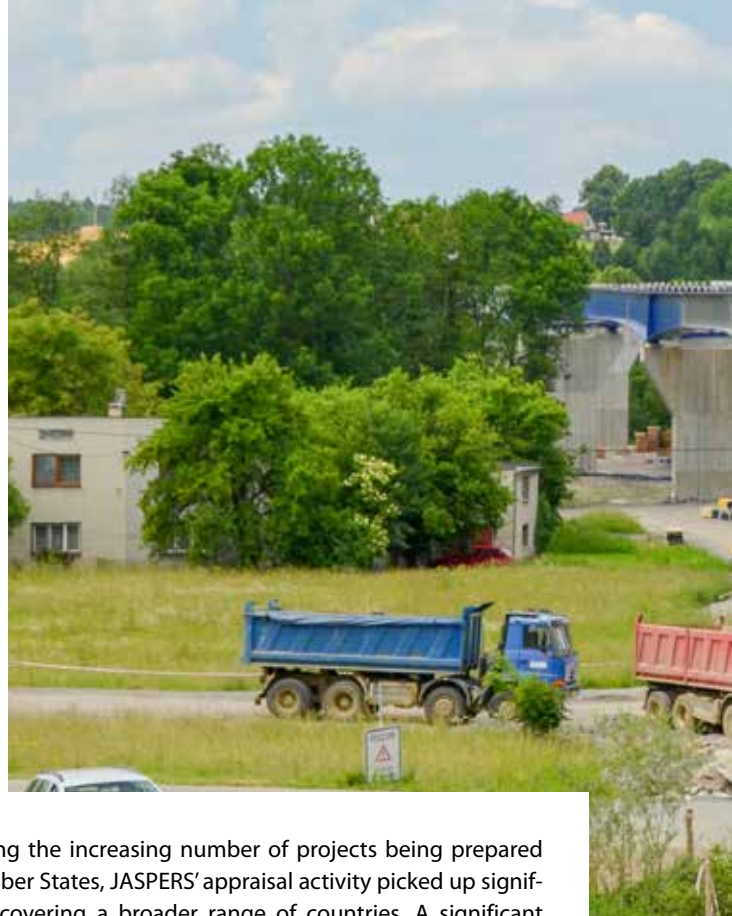
- Major project (Count: 329)
- Non-major project (Count: 54)
- Horizontal & Cp. building (Count: 95)

A list of JASPERS active assignments by country and by sector is available at <http://jaspers.eib.org/follow-the-action/index.htm>



# Activities under JASPERS mandates

## European Structural and Investment Funds (ESIF) mandate

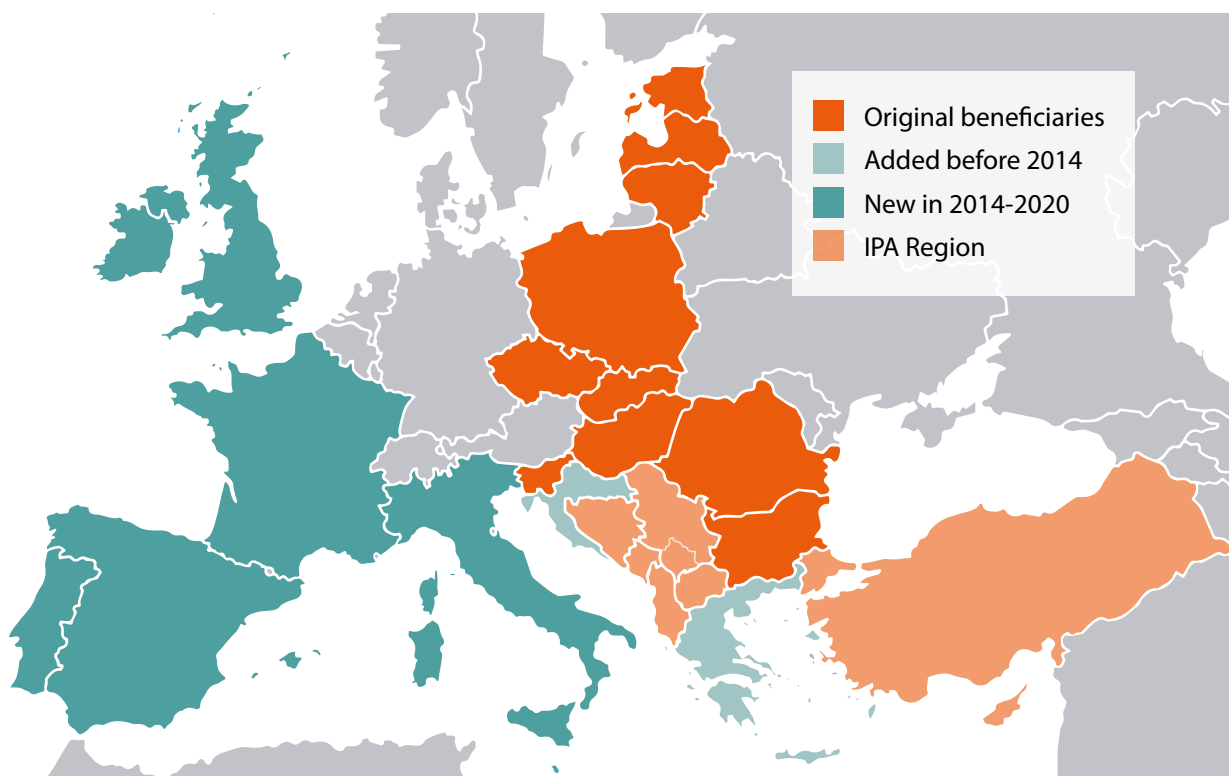


In 2017 JASPERS completed 166 assignments under its main mandate, compared with 103 in 2016. Of these, 111 were related to advisory activity, and 55 to appraisal activity for DG Regional and Urban Policy (DG REGIO) and Member States.<sup>2</sup>

Reflecting the increasing number of projects being prepared by Member States, JASPERS' appraisal activity picked up significantly, covering a broader range of countries. A significant workload for second Post-Submission Appraisal (PSA) reports for projects previously interrupted was also recorded.

Figure 3

### Countries covered by JASPERS activity (all mandates included) as of 31 December 2017



<sup>2</sup> Appraisal activity is about delivering final JASPERS judgement on project quality in the form of IQR or PSA report and is a short-time activity (e.g. within 30 days in PSA report). Advisory activity consists of assisting an assignment (usually a project) from early concept stage to mature application documentation and can span over several years if JASPERS is engaged at early stage of project preparation. It binds far more considerable resources from JASPERS than IQR/PSA appraisal activity.



Construction of I/11 Nebory – Oldrichovice – Bystrice road  
(Czech Republic)

Although the advisory support provided to Member States focused mostly on the preparation of major projects, there was increased demand for involvement in upstream project support, particularly in relation to sector strategies and project screening, as well as capacity building. At year-end 2017, 409 advisory assignments were receiving JASPERS support and a total of 200 new assignments had been created.

The public transport revitalisation carried out at city level in Osijek, Croatia, in cooperation with the Croatian Transport Ministry assumed particular relevance with regard to sector strategies, not only to revitalise an important area of Croatia, but also to understand how robust transport projects should be prepared to provide guidance on the EU grant funding

and financing procedures. Among the new capacity building assignments started in 2017, the train-the-trainers support to the Bulgarian Institute of Public Administration, aimed at building local capacity on cross-sectoral subjects related to ESIF management, stands out.

During the year, 89 major projects supported by JASPERS were approved by the EC under this mandate (compared with 49 in 2016), with a total investment cost of EUR 17.6 billion and EU grant support of EUR 8.7 billion.

Details of JASPERS activities in EU Member States under this mandate are given in Annexes 1 and 2. An overview and a list of the JASPERS-supported major projects approved by the EC in 2017 are given in Annexes 5 and 6.

Table 2

### JASPERS assignments under European Structural and Investment Funds (ESIF) mandate in 2017

	Completed	On-going	Portfolio	Created
<b>ESIF TOTAL</b>	<b>166</b>	<b>427</b>	<b>593</b>	<b>200</b>
Advisory	111	409	520	133*
Appraisal	55	18	73	67
Estimated investment cost (total cost EUR m) for both advisory & appraisal	30,443.58*	67,629.56**	98,073,14	
	<b>Investment amount</b>	<b>Grant amount</b>	<b>Number</b>	
Major projects approved by the Commission in 2017 (2007-2013 & 2014-2020 period)**	17,578,10	8,711,14	89	

\* In 2017, 135 ESIF assignments were created but one was cancelled and one suspended during the year.

\*\* 31 MP approved by the Commission in 2017 are appraisals carried out in 2017.



## Instrument for Pre-Accession (IPA) II mandate

JASPERS IPA II agreement from DG NEAR covers all IPA countries<sup>3</sup> (Albania, Bosnia and Herzegovina, Kosovo\*<sup>4</sup>, the former Yugoslav Republic of Macedonia, Montenegro, Serbia and Turkey) for the period 2016–20, and the Serbia National Programme agreement for the period 2015–19.

Throughout 2017 JASPERS continued to provide support to beneficiary countries, with 51 assignments ongoing by year end, in support of investments totalling more than EUR 3.8 billion. The most active sectors were water/environment (27 assignments) and transport (12 assignments), where advice was provided both regarding institutional strengthening/strategy support and on project development.

During 2017, JASPERS established relationships in Albania and Kosovo through scoping visits, and initiated contacts with Bosnia and Herzegovina by preparing a kick-off visit for early 2018, in close cooperation with the EU Delegation in Sarajevo.

JASPERS also collaborated with the EU Delegation in Serbia and the national authorities coordinated by the NIPAC Technical Secretariat in the development of guidelines methodologies and sector strategies.

Details of JASPERS activities under the IPA II agreement and the Serbia National Programme agreement are given in Annexes 7 and 8.



CEF - Modernisation of "Voluyak-Drigoman" Railway Section (Bulgaria)

<sup>3</sup> JASPERS experts support IPA II countries with: the preparation of sector strategies; advice on parallel issues (e.g. cost–benefit analysis or environmental matters); support for the development of key projects; assistance for the review, preparation and completion of applications for funding; selected implementation issues; and transferring of know-how, including networking and training through the Networking and Competence Centre.

<sup>4</sup> This designation is used without prejudice to positions on status and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.



## Connecting Europe Facility (CEF) mandate

In 2017 JASPERS continued to provide support to Member States for transport projects financed by the Connecting Europe Facility (CEF).<sup>5</sup>

This support related primarily to projects submitted in the third CEF call, covered projects in Slovakia, Hungary and Slovenia, and mainly focused on the development of the Trans-European Transport Networks (TEN-T) corridors. JASPERS cooperated closely with the services within DG MOVE and the national authorities to assist beneficiaries in preparing mature project proposals that meet the requirements under the CEF competitive call, as well as to identify potential projects for assistance.

During the year, JASPERS completed six assignments under this mandate, and four JASPERS-assisted CEF major projects were approved.

JASPERS worked closely with DG MOVE on the preparation of an agreement that will enable JASPERS to support project preparation by beneficiaries of the CEF Blending initiative.<sup>6</sup>

Details of JASPERS' activities under the CEF mandate are given in Annexes 1 and 3.



<sup>5</sup> The general objectives of JASPERS activities to assist the Connecting Europe Facility are: to support the development of key projects with the aim of ensuring compliance with relevant regulations and requirements, and improving the quality of the interventions prepared; to review the projects' applications and main documentation, as well as their justification for EU financing; and to advise on implementation issues, such as project management and procurement strategy. Under the CEF programme, EUR 23.4 billion is available for grants in the 2014–20 programming period to co-fund TEN-T projects in the EU Member States.

<sup>6</sup> The 2017 CEF Transport Blending call for proposals is an innovative concept that makes available EUR 1.35 billion of EU grants to be combined with financing from the European Fund for Strategic Investments (EFSI), the EIB, National Promotional Banks or private sector investors.

# Advisory activities by sector

Figure 4

Distribution of JASPERS active assignments in the EU by sector at 31 December 2017 by estimated investment cost (ESIF and CEF mandates)

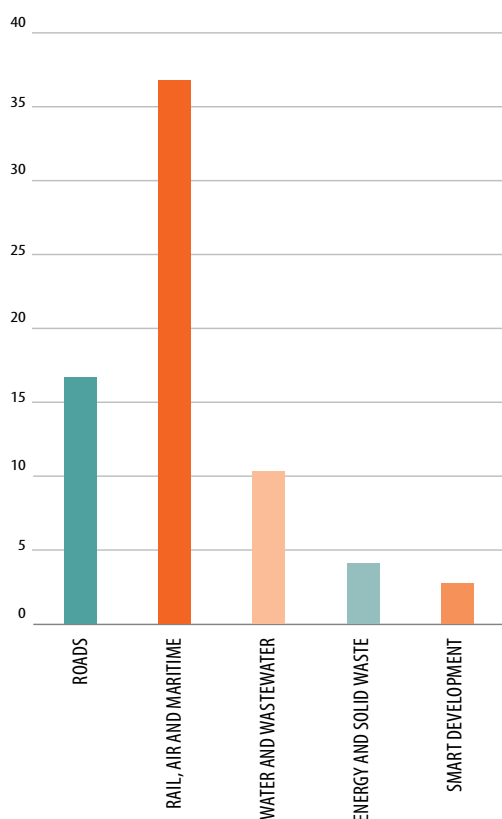


Table 3

Distribution of JASPERS active assignments in the EU by sector at 31 December 2017 (ESIF and CEF mandates)

ENERGY AND SOLID WASTE	33	8%
RAIL, AIR AND MARITIME	147	36%
ROADS	61	15%
SMART DEVELOPMENT	34	8%
WATER AND WASTEWATER	111	27%
NETWORKING AND COMPETENCE CENTRE	21	5%
MULTI SECTOR	5	1%
<b>TOTAL</b>	<b>412</b>	





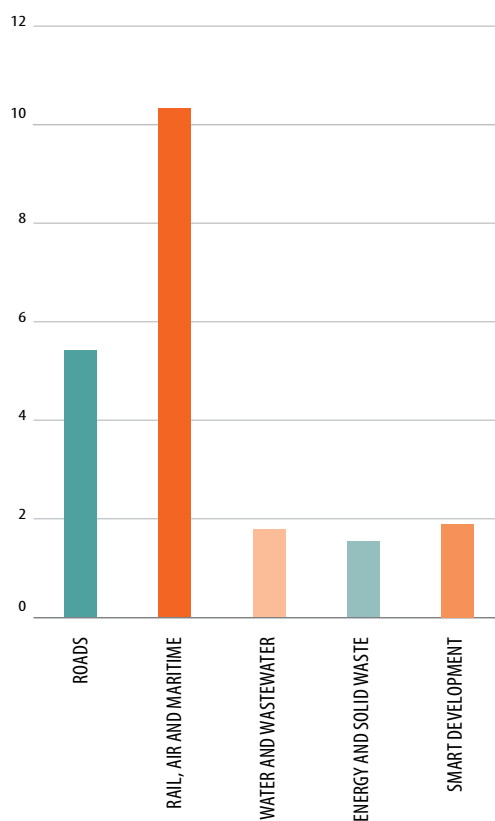
**Table 4**

**Distribution of JASPERS completed assignments in the EU by sector at 31 December 2017 (ESIF and CEF mandates)**

ENERGY AND SOLID WASTE	19	17%
RAIL, AIR AND MARITIME	38	32%
ROADS	17	15%
SMART DEVELOPMENT	13	11%
WATER AND WASTEWATER	15	13%
NETWORKING AND COMPETENCE CENTRE	11	9%
MULTI- SECTOR	4	3%
<b>TOTAL</b>	<b>117</b>	

**Figure 5**

**Distribution of JASPERS active assignments in the EU by sector at 31 December 2017 by estimated investment cost (ESIF and CEF mandates)**





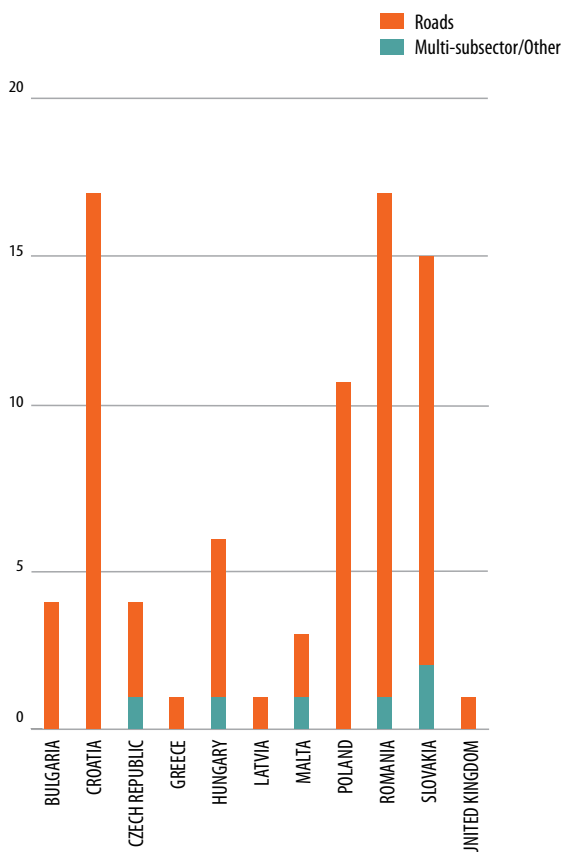
## Roads

The JASPERS road division works within the framework of the Thematic Objective 7 (promoting sustainable transport and removing bottlenecks in key network infrastructures); the advice given by the road division experts aims at safer, more reliable and efficient transport systems, reducing travel time for people and freight, as well as overall emission levels.

In addition to advice related to the development of major projects, JASPERS provided input to horizontal topics such as traffic data collection, analysis and modelling, value engineering, Environmental Impact Assessment (EIA) and Natura 2000 procedures, climate change resilience and adaptation.

Figure 6

**JASPERS portfolio in the roads sector (EU active assignments as at 31/12/2017 and assignments completed in 2017)**



D3 Motorway Svrčinovec–Skalité, Phase II (Slovakia)

More specifically, resources were dedicated to the preparation of guidelines for road project development in Romania and for climate change adaptation for national roads in Poland (both to be continued in 2018).

In 2017, JASPERS also continued to provide support at a regional level, including bilateral dialogue for cross-border projects, especially in Central Europe, with the aim of better integrating the road networks between Slovakia, Hungary, Croatia, Bosnia and Herzegovina, the Czech Republic and Poland.

During the year, some 20 new actions, with an estimated total cost of EUR 6.2 billion, were added to the roads action plans.



### D3 Motorway Svrčinovec-Skalité, Phase II (Slovakia)

The project consists of the construction of a 12.3 km section of single-carriageway half-profile motorway between Svrčinovec and Skalité in Northern Slovakia. It is part of the planned D3 motorway stretching from Žilina to the border with Poland, on Corridor No 25 of the TEN-T core network.

In Skalité, the project road, 4668 m long, connects with a completed section of the D3 (also half profile) leading to Zwardon at the Polish border. The project includes a major interchange with road I/11 north of Svrčinovec and two tunnels, as well as 24 bridges. The total cost of phase II is EUR 173.5 million, of which around EUR 130.8 million are covered by EU funding. The total cost of the full project (phase I and phase II) is EUR 365.5 million, of which EUR 261.2 million are covered by EU funding. The project was phased over two programming periods, 2007–13 and 2014–20.

The project objectives are to increase road capacity in response to traffic growth, reduce travel times and operating costs and improve accessibility and road safety. According to the traffic analysis, 4410 vehicles per day (41% of which are heavy goods vehicles) would be using the new road in 2020, relieving the existing roads from a critical amount and particular type of traffic, and thus reducing the travel time and accident risk for traffic using the existing roads. The time and safety improvements for traffic on both the old and new roads account for more than 70% of total economic benefits.

For around a decade, JASPERS has been working closely with the Slovak Motorway Company (NDS) on the optimisation of the design for the overall D3 motorway project from Žilina to the Polish border, thereby ensuring its economic viability and eligibility for grant funding, and ultimately facilitating its implementation. In 2009, JASPERS advised that a full-profile motorway project would be too complex, given expected traffic levels and high investment cost, and hence run the risk of being unable to obtain funding approval by the EC. JASPERS also provided recommendations about enhancing the traffic analysis and forecast and the cost-benefit analysis (CBA) to provide a better basis for assessing the project's viability. Furthermore, JASPERS advocated a phasing strategy for the overall project, prioritising the more congested sections of the motorway. During Phase II of the project, JASPERS offered specific advice on fulfilling the EIA reporting requirements and compliance check regarding the ex-ante conditionality as well as on the Natura 2000 Appropriate Assessment. In this respect, JASPERS subsequently provided guidance on the preparation of the construction of a fauna bridge for animals such as wolf, lynx and brown bear over road I/11 and a railway line near Svrčinovec Junction to mitigate the negative impacts of the D3 project on an existing migration corridor used both by these large carnivores and by hoofed animals such as deer.

**Table 5**  
**JASPERS activity in the EU in 2017 – Roads sector**

Key figures:	TOTAL
Number of active assignments at the beginning of 2017	62
Active assignments as at 31/12/2017	61
Estimated investment cost of active assignments as at 31/12/2017 in m€*	16.688
Assignments completed in 2017	17
Estimated investment cost of completed assignments in 2017 in m€**	5.413
Major Project Applications for funding approved by the EC in 2017 (REGIO only):	23
Total investment cost in 2017 in EUR m	6.265
EU grant amount in EUR m	3.732

\* for the 53 assignments that are project-related

\*\* for the 12 assignments that are project-related

## Rail, air and maritime

JASPERS action in the rail, air and maritime sector in 2017 continued to support the shift to a more competitive and environmentally sustainable transport system. The bulk of investment and funding was therefore allocated to meeting this objective. During the year, experts in this sector worked on 190 assignments, with an estimated total investment cost of EUR 37 billion.

In the second half of the year there was a significant increase in the number of major project applications submitted in the rail and urban transport subsectors, particularly in Poland and Hungary, and we expect that 2018 will also see a high number of submissions. The largest portfolio in the rail air and maritime sector was in Poland, with other large portfolios located in Romania, Croatia, Czech Republic, Hungary and Slovakia. Besides, in 2017 activities stepped up in Portugal and Italy, where a significant increase in the number of major project applications is also expected in the coming year.

In addition to its project-specific activities, JASPERS assisted managing authorities and beneficiaries in several horizontal assignments representing key elements in project preparation and implementation. JASPERS experts were active in preparing guidance on the planning process for low-emission vehicles, in economic assessment of rail freight and in exploring the opportunities for developing funding and financing blending options.

Figure 7

### JASPERS portfolio in the Rail, Air and Maritime sector (EU active assignments as at 31 December 2017 and assignments completed in the EU in 2017)

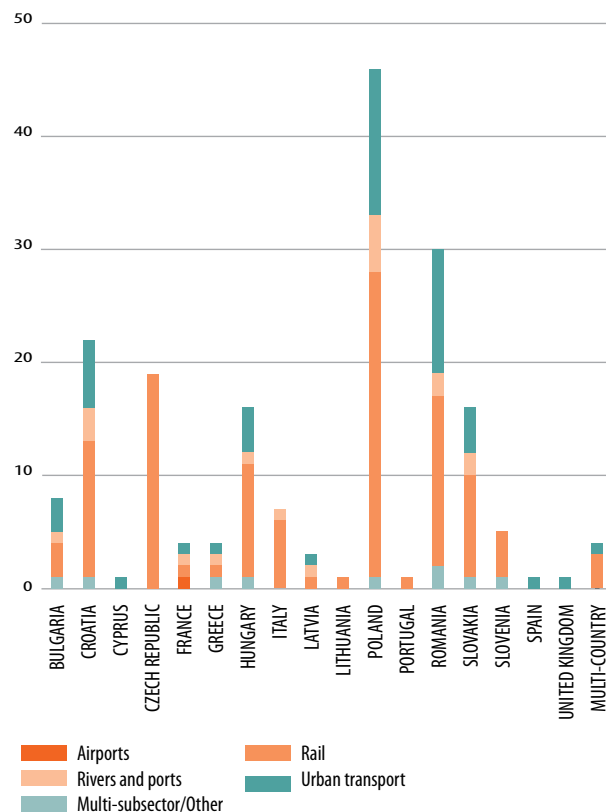


Table 6

### JASPERS activity in the EU in 2017 – Rail, air and maritime sector

Key figures:	TOTAL
Number of active assignments at the beginning of 2017	134
Active assignments as at 31/12/2017	147
of which CEF	3
Estimated investment cost of active assignments as at 31/12/2017 in m€* (all ESIF)	36.756
Assignments completed in 2017	38
of which CEF	6
Estimated investment cost of completed assignments in 2017 in m€**	10.331
of which CEF	2.170
Major Project Applications for funding approved by the EC in 2017 (REGIO + CEF):	31
Total investment cost in 2017 in EUR m (REGIO + CEF)	8.121
of which CEF	100
EU grant amount in EUR m (REGIO + CEF)	3.299
of which CEF	80

\* for the 116 assignments that are project-related, of which 3 don't have an estimated investment cost yet (premature: early design phase)

\*\* for the 36 assignments that are project-related





### Rehabilitation of the railway line Simeria–km 614 (Romania)

With an overall cost of around EUR 2.07 billion (EUR 1.3 billion of which is EU grant), this project comprises the rehabilitation and upgrading of 144 km of railway line (double-track, electrified, mixed traffic) of the Core TEN-T network (Rhine–Danube Corridor), in line with interoperability requirements.

The section effectively completes the upgrade of the corridor from the Hungarian border to Brasov, leading to a significant projected reduction in travel time by more than five hours.

The investment is expected to generate substantial economic benefits also in terms of reduced transport operating costs, thus increasing economic competitiveness. The corridor upgrade will support the shift of traffic from road to rail, with notable benefits in terms of reduced emissions and fewer road accidents. The project will also improve the quality of station services offered to passengers and provide or enhance facilities for persons with reduced mobility.

JASPERS provided detailed advice covering a wide range of issues (planning, engineering, economic, environment) during the project preparation phase. This led to an overall improvement in the quality of the project preparation as well as to quantifiable cost savings, particularly from the rationalisation of the stations (cost savings of around EUR 20 million as well as subsequent organisation & methods savings).

At the application submission stage (2017), JASPERS supported the Romanian authorities to ensure a timely submission of the application in line with the requirements of the current financing period and improved the quality of the project submission, providing hands-on support in the preparation of the updated CBA and funding application.

Intensive work was also carried out in the preparation of its investment channels through the development of national and regional transport plans that provide the strategic context for transport investment for the current programming period. In addition, work continued on transport strategies in, for example, Greece, Slovakia and Croatia.

The main fields of activity for this sector during the year varied from support at planning and programming level and building capacity in the managing authorities and main beneficiaries, to the assistance in the preparation of projects. This included support in the preparation of Terms of Reference for feasibility studies and of the major project applications, and defining financing and procurement strategy. Technical assistance provided also covered some strategic smaller projects, and included ad hoc support to specific aspects of implementation and monitoring.



Alba County water and wastewater infrastructure investments (Romania)

## Water and wastewater

JASPERS' expertise in the water sector is mainly delivered within the framework of two Common Provision Regulation objectives.

- TO 5: climate change adaptation and risk management and prevention-investments that aim to improve flood risk management and coastal protection as well as preparing for, and providing an efficient response to, disasters.
- TO 6: environmental protection and resource efficiency-investments that aim to achieve compliance with applicable European Commission Directives.

In 2017, JASPERS completed 15 water projects in Croatia, Poland and Romania, and a programme of smaller water projects in Croatia, with a combined investment capacity of around EUR 2.6 billion. Eight major projects and 17 smaller projects worth some EUR 2.1 billion received ESIF grant approval by the EC and/or national authorities during 2017. Five major projects in Croatia and Romania were approved by the EC through the new IQR process supported by JASPERS, while three major projects in Poland and Slovenia were accepted based on the EC's classic approval (i.e. on direct project submission to REGIO).

Table 7

### JASPERS activity in the EU in 2017 – Water and wastewater sector

Key figures:	TOTAL
Number of active assignments at the beginning of 2017	113
Active assignments as at 31/12/2017	111
Estimated investment cost of active assignments as at 31/12/2017 in m€*	10.336
Assignments completed in 2017	15
Estimated investment cost of completed assignments in 2017 in m€	1.785,06
Major Project Applications for funding approved by the EC in 2017 (REGIO only):	30
Total investment cost in 2017 in EUR m	2.317
EU grant amount in EUR m	1.280

\* for the 100 assignments that are project-related





### Alba County water and wastewater infrastructure investments (Romania)

The purpose of this project is to ensure the provision of flexible drinking water services for some 106 000 residents, as well as to secure collection and regulatory compliant treatment of wastewater from about 23 000 residents. The estimated total cost of the project is over EUR 135 million, and the EC grant requested is for EUR 87 million.

The Alba County project received EC grant approval via the IQR process supported by JASPERS. JASPERS played a key role during the full project preparation cycle, starting with assistance at the master-planning stage and following up with guidance during preparation, resulting in a well-justified and approvable project. The JASPERS' expert input emphasised assistance with the rationalisation and definition of investment components to ensure a cost-efficient outcome for both the operator and end users. This project applies within a wider regional area with a smaller population density and lower income than the main cities, and thus ensures compliance is extended into such areas. Key for this process was JASPERS' expertise in establishing a viable regional tariff structure, which balances the needs of sustainability and affordability.

This project follows the regionalisation process for the water sector agreed between Romania and the EC. Some 53 administrative areas with a total of around 252 000 residents are serviced by the regional operator for Alba County. In line with Romania's regionalisation policy, the Alba County project is a follow-up to an earlier Alba County project (worth EUR 126 million) approved by the EC within its 2007–13 budget. The picture below shows a completed component part-financed by the EC under the previous financial budget. This case study illustrates how the effective use of EC grants across programming periods not only reinforces the development of a regionalised and sustainable water sector, but can upgrade the quality of the water and sanitation services delivered to the standards required by applicable EC Directives.

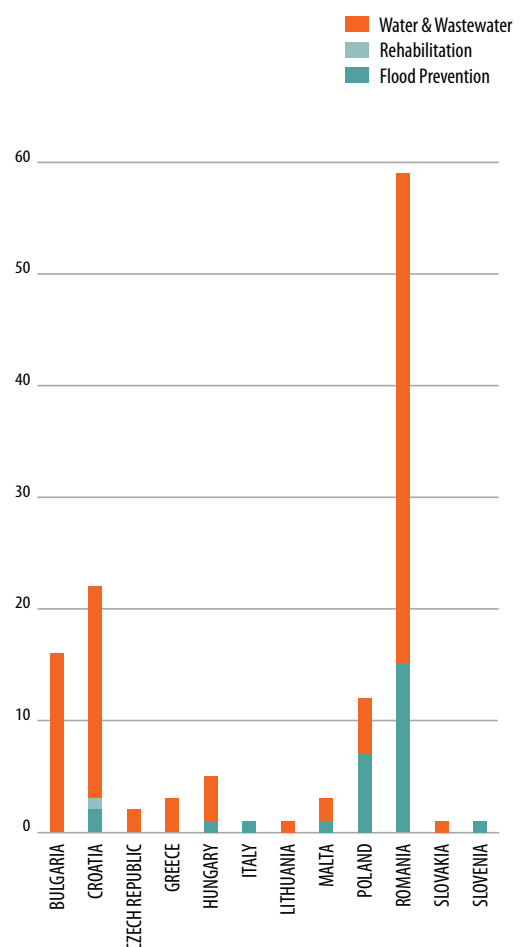
In addition to supporting project preparation and finalisation, experts in the water sector advised through parallel actions related to:

- climate change and risk and vulnerability assessments,
- EIAs,
- CBAs,
- tariff setting.

In 2017, 17 new assignments were included in the water action plan, including the first Italian water project, with an estimated project cost of EUR 1.1 billion.

Figure 8

### JASPERS portfolio in the water sector (EU active assignments as at 31/12/2017 and assignments completed in 2017)





## Energy and solid waste

JASPERS provided advice in the energy and solid waste sector within the framework of Thematic Objective 4 (supporting the shift towards a low-carbon economy in all sectors) and 6 (preserving and protecting the environment and promoting resource efficiency). The advice given by JASPERS experts proposes enhanced security of supply, increasing energy efficiency, improved waste management and implementation of a circular economy.

In 2017, JASPERS continued to provide support to major projects, notably in gas transmission and distribution in Poland and Greece. In addition, JASPERS continued to aid major district heating network rehabilitation projects as well as the development of waste-to-energy and renewable energy generation in Bulgaria, Romania, Lithuania and Croatia. In addition, waste management projects were supported in Croatia, Malta and France. Nineteen projects inside the EU were supported, with a total investment of EUR 1.5 billion.

In addition to the advice relating to the development of major projects, in 2017 JASPERS provided input to parallel topics, such as the development of waste management plans, CBA, EIA and Natura 2000 procedures and climate change resilience and adaptation. More specifically, resources were dedicated to support the development of the national waste management plan and energy efficiency schemes in Romania. Guidance was also provided for the adaptation of energy and solid waste projects to combat climate change.

In 2017, 21 new actions inside the EU were added to the energy and solid waste action plans, at an estimated total cost of EUR 2.5 billion.

Figure 9

### JASPERS portfolio in the energy and solid waste sector (EU active assignments as at 31 December 2017 and assignments completed in the EU in 2017)

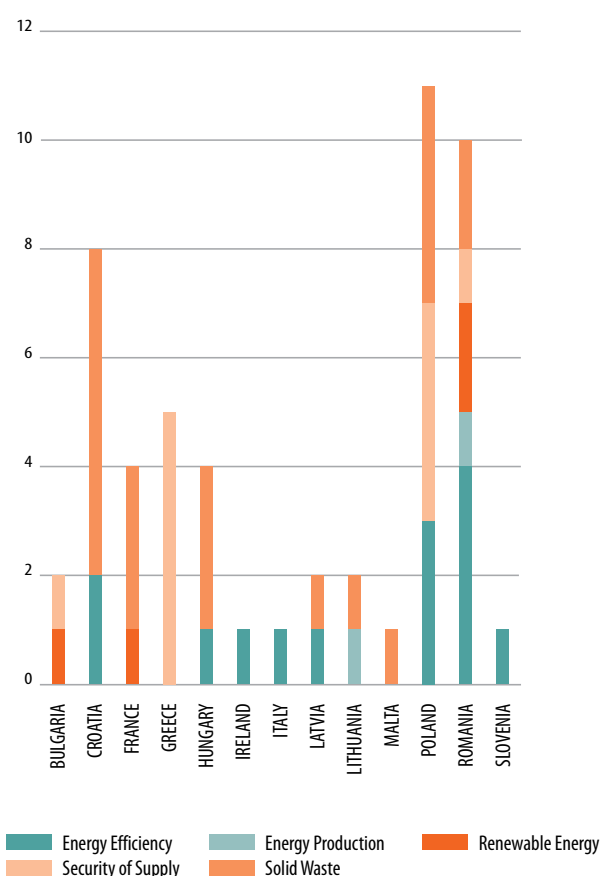


Table 8

### JASPERS activity in the EU in 2017 – Energy and solid waste sector

Key figures:	TOTAL
Number of active assignments at the beginning of 2017	32
Active assignments as at 31/12/2017	33
Estimated investment cost of active assignments as at 31/12/2017 in m€*	4.075
Assignments completed in 2017	19
Estimated investment cost of completed assignments in 2017 in m€**	1.538
Major Project Applications for funding approved by the EC in 2017 (REGIO only):	4
Total investment cost in 2017 in EUR m	656
EU grant amount in EUR m	348

\* for the 28 assignments that are project-related

\*\* for the 16 assignments that are project-related



Project of waste-to-energy facility in Lithuania

## Development of capacities to use municipal waste for recovery of energy in Vilnius city

The project comprises a waste-to-energy facility in Vilnius municipality that will operate in a high-efficiency co-generation mode. The main objective of this project is to decrease the amount of municipal waste in landfill by developing the generation of energy from waste.

This facility will be able to treat up to 160 000 tonnes per year (when the calorific value is 12.6 MJ/kg) of residual non-recyclable municipal waste. In a waste treatment process, the facility will generate electricity and heat: the electric power capacity of the facility is designed to be up to 20 MWe and the thermal power capacity is designed to be up to 55 MWth.

This project is an example of the blending of the Cohesion Fund (EUR 48.5 million) and the European Investment Bank loan guaranteed by the European Fund for Strategic Investments (EUR 74.2 million).

JASPERS contributed significantly by determining demand and project capacity, taking into consideration targets proposed by the Circular Economy Package. It reviewed and discussed the documentation concerning the evaluation of waste-to-energy capacities required in Lithuania. The scope of assistance included advice on the development of the feasibility study, the CBA, the EIA and the grant funding application. The documentation quality and the development of the project (demand analysis, technical capacity and institutional set-up, CBA and climate change adaptation) were improved based on communal efforts and fruitful discussions with the beneficiary.

JASPERS also provided the project appraisal (IQR) before submission to the EC.

## Smart development

JASPERS provides advice and guidance in the smart development sector in the framework of the Thematic Objectives 1, 2 and 10 (strengthening research, technological development and innovation; enhancing access to and use and quality of information and communication technologies; investing in education, training and lifelong learning). Activities under these objectives are in the health, education, broadband and “smart” development sectors, in addition to funding allocated to sustainable urban development under article 7 of the ERDF.

Under the umbrella of the EU Urban Agenda and Cohesion Policy, JASPERS’ experts in the smart development and networking and competence centre sectors organised a series of technical workshops in collaboration with the CoR<sup>7</sup> following an initial meeting in December 2016. With a view to leveraging ESIF, JASPERS invited CoR members to co-host local seminars to review challenges and opportunities and advise on the technical challenges for the preparation and implementation of particular strategies, investment programmes and associated projects in urban areas. The events took place in Gdansk (Poland), Sofia (Bulgaria), Athens (Greece) and Vienna (Austria) between May and September 2017. They were attended by national, regional and urban authorities involved in the deployment of ESIF to achieve more sustainable urban development.

JASPERS contributed to the preparation of the Integrated Sustainable Urban Development Strategy and associated investment programme in Malta in 2017 (see the case study below). Several other urban projects were also initiated.

The Smart Development Division also assisted in the preparation, launch and operation of URBIS.<sup>8</sup> URBIS is designed to facilitate and promote urban investment by providing technical and financial advice in the preparation of urban projects. Experts in the urban sector from the EIB’s Projects Directorate and from the Advisory Services Department, including JASPERS, jointly review incoming project advisory requests and their scope for potential URBIS assistance. Each expert provides support within their subject area or under their relevant mandate with the aim of delivering a more holistic approach to preparing financial advisory support for urban projects.

JASPERS’ experts in the smart development sector advised in the preparation of the Integrated Territorial Investment (ITI) strategy in Zamość, southeastern Poland.

Table 9

### JASPERS advisory activity in the EU in 2017- Smart development sector

Key figures:	TOTAL
Number of active assignments at the beginning of 2017	42
Active assignments as at 31/12/2017	34
Estimated investment cost of active assignments as at 31/12/2017 in m€*	2.732
Assignments completed in 2017	13
Estimated investment cost of completed assignments in 2017 in m€**	1.893
Major Project Applications for funding approved by the EC in 2017 (REGIO only):	4
Total investment cost in 2017 in EUR m	319
EU grant amount in EUR m	132

\* for the 27 assignments that are project-related

\*\* for the 9 assignments that are project-related

<sup>7</sup> Committee of the Regions, [www.cor.europa.eu/](http://www.cor.europa.eu/)

<sup>8</sup> URBIS is a consolidated advisory package from which cities and their partners can request technical and financial advisory support to prepare strategies, investment programmes, projects and potentially financial instruments with the aim of deploying ESIF and EIB financing (<http://eiah.eib.org/about/initiative-urbis.htm>).





### Assistance in the preparation of the Integrated Sustainable Urban Development Strategy: Malta – Marsamxett Regeneration Programme

Valletta is Malta’s administrative and cultural capital, and a hub for tourists and local businesses. Such activity, however, is concentrated in the central part of Valletta, and neglects the needs of its poorer neighbourhoods. Valletta has the highest rate of dilapidated and vacant building stock on Malta (32.3%), and many social housing properties need significant repair to make them safe and accessible to an ageing population. Such conditions are emphasised in the Marsamxett area.

Malta’s Strategy & Implementation Division at the Ministry of European Affairs (MEAIM) is preparing an integrated strategy for sustainable urban development, comprising three objectives and five multi-sector priority actions that catalyse urban change.

#### The objectives are:

1. to improve the quality of life and the well-being of the citizens;
2. to protect and promote the built environment; and
3. to sustain a vibrant economy.

#### The five priority actions are translated into different packages of measures for

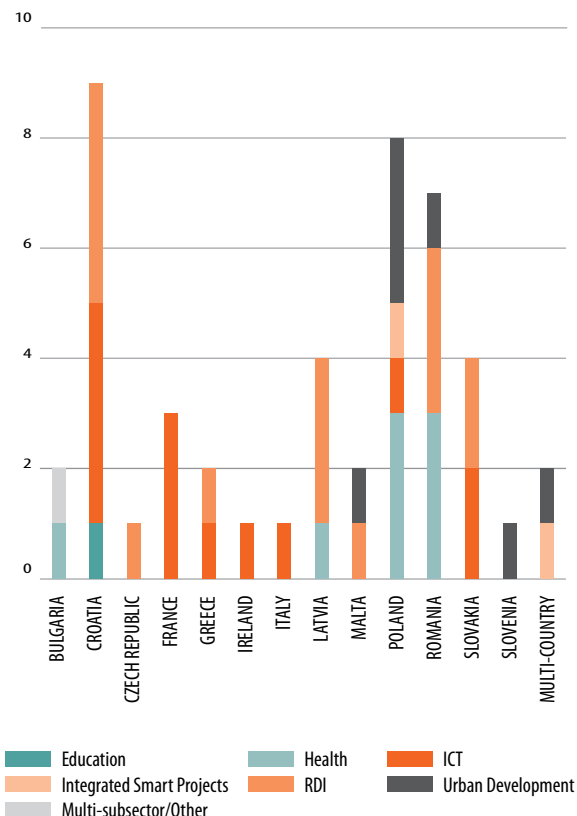
1. housing;
2. skills;
3. cultural heritage;
4. transport;
5. business,

Given the needs are greater than the investment programme can satisfy, a method of selecting the best strategic options was needed to get the most out of the public-sector intervention, ideally bringing about a regeneration of the capital in line with the strategy’s objectives.

JASPERS advised on the preparation of the sustainable urban development strategy, providing guidance and assisting in the formulation of a bespoke policy-led multi-criteria analysis (PLMCA) tool that would allow the Maltese team to set out the best package of measures for the priority actions. JASPERS’ review of the draft strategy also evaluated the agreement between teams with different objectives and provided methodological support to prioritise projects, i.e. development of a project timetable and investment programme.

Figure 10

### JASPERS portfolio in the smart development sector (EU active assignments as at 31/12/2017 and assignments completed in 2017)



# Capacity building activities

Capacity building is included as standard in all the advisory activities carried out by JASPERS, given its proximity to beneficiaries and its hands-on approach. In addition, JASPERS periodically organises international capacity-building events in order to consolidate the lessons learnt from the different assignments, to disseminate methodology and to support beneficiaries in cross-sector issues such as climate change or state aid. These activities are closely coordinated with the services of the EC.

Multi-country capacity building activities are carried out in the framework of the JASPERS Networking Platform, in close coordination with the different sectoral divisions and the EC. The platform's dedicated web portal (<http://www.jaspersnetwork.org>) is widely used to disseminate summaries of the activities and materials used during workshops, as well as working papers and other relevant knowledge.

In 2017, the JASPERS Networking and Competence Centre (NCC) Division implemented 11 multi-country capacity-building, training and knowledge-sharing activities under its Networking Platform programme. These workshops and training seminars were held both in Brussels and at regional level and were attended by over 750 representatives, largely from Member States' authorities, as well as JASPERS partners and other EC services.

Among these activities, at the beginning of 2017 JASPERS completed a cycle of Sustainable Urban Mobility Planning

**Table 10**  
**Multi-country capacity building events in 2017**

No	Title	Date	Summary and proceedings
1	Training on Sustainable Urban Mobility Planning in Spain	23-24 Jan 2017 and 1-2 Feb 2017	<a href="http://www.jaspersnetwork.org/display/EVE/Training+workshops+on+sustainable+urban+mobility+planning">http://www.jaspersnetwork.org/display/EVE/Training+workshops+on+sustainable+urban+mobility+planning</a>
2	Decision-makers event on Sustainable Mobility Planning in Greece	1-2 Feb 2017	<a href="http://www.jaspersnetwork.org/display/EVE/Training+workshops+on+sustainable+urban+mobility+planning">http://www.jaspersnetwork.org/display/EVE/Training+workshops+on+sustainable+urban+mobility+planning</a>
3	Joint CoR / JASPERS workshop on Implementation of the Urban agenda (Vienna)	09-mai-17	<a href="http://www.jaspersnetwork.org/display/EVE/Implementing+the+EU+Urban+Agenda%3A+JASPERS+assistance+to+support+EU+funded+programmes+-+Vienna+dialogue">http://www.jaspersnetwork.org/display/EVE/Implementing+the+EU+Urban+Agenda%3A+JASPERS+assistance+to+support+EU+funded+programmes+-+Vienna+dialogue</a>
4	JASPERS / REGIO CBA Forum meeting on Environment sectors (Brussels)	12-mai-17	<a href="http://www.jaspersnetwork.org/display/EVE/Cost-Benefit+Analysis+Forum+meeting+on+Environment+Sectors">http://www.jaspersnetwork.org/display/EVE/Cost-Benefit+Analysis+Forum+meeting+on+Environment+Sectors</a>
5	Follow-up on Climate Change Related Requirements for MPs in the 2014-2020 PP (Brussels)	12-13 June 2017	<a href="http://www.jaspersnetwork.org/display/EVE/Follow-up+on+Climate+Change+Related+Requirements+for+Major+Projects+in+the+2014-2020+Programming+Period">http://www.jaspersnetwork.org/display/EVE/Follow-up+on+Climate+Change+Related+Requirements+for+Major+Projects+in+the+2014-2020+Programming+Period</a>
6	Joint CoR / JASPERS workshop on Implementation of the Urban agenda (Gdansk)	05-juil-17	<a href="http://www.jaspersnetwork.org/display/EVE/Series+of+Joint+CoR-JARS+local+workshops+on+the+implementation+of+the+EU+Urban+agenda">http://www.jaspersnetwork.org/display/EVE/Series+of+Joint+CoR-JARS+local+workshops+on+the+implementation+of+the+EU+Urban+agenda</a>
7	Joint CoR / JASPERS workshop on Implementation of the Urban agenda (Athens)	10-juil-17	<a href="http://www.jaspersnetwork.org/display/EVE/Series+of+Joint+CoR-JASPERS+local+workshops+on+the+implementation+of+the+EU+Urban+agenda">http://www.jaspersnetwork.org/display/EVE/Series+of+Joint+CoR-JASPERS+local+workshops+on+the+implementation+of+the+EU+Urban+agenda</a>
8	Second Extreme Light Infrastructure (ELI) pillars workshop (Brussels)	11-12 Sept 2017	<a href="http://www.jaspersnetwork.org/display/EVE/Second+Extreme+Light+Infrastructure+%28ELI%29+pillars+workshop">http://www.jaspersnetwork.org/display/EVE/Second+Extreme+Light+Infrastructure+%28ELI%29+pillars+workshop</a>
9	Joint CoR/JASPERS workshop on implementation of the Urban agenda (Sofia)	13 Sept 17	<a href="http://www.jaspersnetwork.org/display/EVE/Series+of+Joint+CoR-JARS+local+workshops+on+the+implementation+of+the+EU+Urban+agenda">http://www.jaspersnetwork.org/display/EVE/Series+of+Joint+CoR-JARS+local+workshops+on+the+implementation+of+the+EU+Urban+agenda</a>
10	Climate Change Adaptation in the Transport Sector - Experience from Project Preparation and Network Management (Brussels)	06 Dec-17	<a href="http://www.jaspersnetwork.org/display/EVE/Climate+Change+Adaptation+in+Transport+Sector">http://www.jaspersnetwork.org/display/EVE/Climate+Change+Adaptation+in+Transport+Sector</a>

(SUMP) training to provide national authorities and representatives of city authorities with the information needed to successfully implement SUMPs in their local context.

DG REGIO/JASPERS Cost-Benefit Analysis (CBA) forum meetings continued during the year, with a seminar focused on the methodologies for the environmental sectors.

Throughout 2017, the NCC also continued to provide Member States with assistance and capacity building on climate change requirements for major projects, to improve climate change resilience of major infrastructures: it published three guidance documents and organised dedicated Networking Platform seminars in Brussels.

The JASPERS-CoR dialogues on the implementation of the EU Urban Agenda (see p. 24) were also a valuable tool for collecting feedback and suggestions and helped local communities and cities identify ongoing and future support needs from JASPERS.

During the year, the NCC also delivered several specific training seminars in the countries where JASPERS operates. Activities were performed within several ongoing national assignments (in Bulgaria, Malta, Poland, Portugal, Romania and Slovenia), focusing on capacity building support for CBA, climate change and environmental assessment and project procedures.

All JASPERS capacity-building assignments have the ultimate objective of transferring the practical know-how required for the sound preparation and appraisal of major and smaller projects in the framework of ESIF to the relevant authorities.

In this respect, in 2017 the NCC stepped-up its efforts to build the capacity of JASPERS counterparts sustainably, by assisting them in developing and implementing their own training programmes, for example, through the development of dedicated “train-the-trainer” modules. This approach is expected to add the most value and to create the potential for a lasting increase in administrative capacity at the local level.

Table 11

### Attendance at JASPERS capacity-building activities in 2017

	Participants	%
European Commission	26	4
Member States	651	96
<b>TOTAL</b>	<b>677</b>	<b>100</b>



### EIA/SEA training strategy in Slovenia

In 2017, the first phase of support to the Slovenian authorities (Managing Authority and Ministry of Environment and Spatial Planning) to satisfy the 2014–20 ex-ante conditionality related to EIA/SEA Directives and capacity building was concluded. Throughout 2015–17, JASPERS supported the Ministry in:

- preparing a strategy and detailed action plan for training and dissemination of information for EIA and SEA Directives, tailoring the approach to the specific issues identified in Slovenia, based on the lessons learnt and the main changes in the legislation;
- delivering 10 training sessions on environmental topics in line with the training strategy.

#### In 2017 JASPERS supported the Slovenian authorities in delivering the following seminars:

- Public Participation in Environmental Decision Making, May 2017;
- Screening and Amendments to the EIA Directive, June 2017;
- Climate Change considerations in SEA/EIA, September 2017;
- Strategic Environmental Assessment/ Project Environmental Assessment and Water Framework Directive, November 2017.

Lastly, in 2017, JASPERS and DG REGIO organised a workshop within the framework of the European Week of Regions and Cities. This presented JASPERS’ experience and integrated approach to capacity building of national, regional and local counterparts, both during specific project advisory assignments and through the dedicated activities of the NCC.



# Project appraisal activities

2017 saw a substantial increase in the number of PSA and IQR reports issued by the JASPERS IQR Division, reflecting the increasingly sophisticated timetable of projects being prepared by Member States. During 2017, a further five Member States (Romania, Italy, the Czech Republic, Greece and UK) signed working arrangements for JASPERS to provide IQR appraisals, bringing the total to 15.

In 2017, JASPERS IQR issued 55 PSA and IQR reports, nearly double the number in 2016 (28). IQRs also formed an increasing part of the division's workload, increasing the number of reports issued from 10% in 2016 to almost 30% in 2017.

Fifteen IQR reports were completed during the year (for Croatia, Latvia, Romania, Poland and Slovakia), fourteen of which were for projects that had received JASPERS advisory support. Thirteen of the applications submitted through the IQR route were approved by the EC.

In 2017, JASPERS also prepared 40 PSA reports, 22 of which were for projects that had received JASPERS advisory support. During 2017, 30 projects with PSAs were approved by the EC.



The average time to approval for major projects with PSA reports, an important indicator of the efficiency of the system, was 84 days in 2017, compared with 98 days in 2016 and 224 in the previous programming period.<sup>9</sup>

Table 12

## IQR and PSA project appraisals in 2017

Programming period:	IQR	PSA	TOTAL
In approval process as of 1 January 2017	2	7	9
Projects appraised in 2017 (list in Annex 4)	15	40	55
<i>of which with Advisory support</i>	14	22	36
Withdrawn by Member State	–	2	–
Projects approved by EC	13	30	43
Under consideration as of 31 Dec 2017	6	12	18

<sup>9</sup> Projects that undergo an IQR appraisal have a mandatory time to approval of three months.



JASPERS' IQR division and DG REGIO continued to work together to improve the efficiency of submission and notification procedures. This included harmonising the completeness check performed by JASPERS for projects submitted to IQR under Article 102(1) with the check undertaken by DG REGIO following submission under Article 102(2).<sup>10</sup>

The number of projects submitted for appraisal in 2018 is expected to substantially increase, with a greater share of projects being submitted through the IQR route.

More details on the appraisals carried out under IQR and PSA in 2017 are given in Annex 4.



<sup>10</sup> In the 2014–20 programming period, all new major non-phased project applications submitted to the European Commission for grant funding are reviewed by JASPERS through an IQR, if requested by Member States, or through a post-submission appraisal (PSA) for DG REGIO.





# Organisation

## Governance

JASPERS is managed by the European Investment Bank and supervised by a Steering Committee of representatives of its partner institutions (the EC and the EIB).<sup>11</sup>

This committee is responsible for setting the strategic direction for JASPERS, deciding on major policy issues relating to JASPERS and approving its work programme.

## Structure

To carry out the activities described in the sections above, JASPERS is organised into seven divisions, which are mostly staffed by engineers, economists and environmental specialists assigned to the different JASPERS offices:

1. Roads;
2. Rail, Air and Maritime;
3. Water and Wastewater;
4. Smart Development;
5. Energy and Solid Waste;
6. Networking and Competence Centre;
7. Independent Quality Review.

The first five are sectoral divisions; the NCC focuses on capacity building, and the Independent Quality Review division carries out appraisal activities for the Member States (IQR) and is the lead division within JASPERS for appraisals for the European Commission (PSA).

In addition to the divisions, there is a Quality Management Unit, which oversees overall coordination and ensuring JASPERS' overall efficiency and quality approach.

While the predominantly sector-based structure meets JASPERS' operational needs and ensures consistency in the advice delivered across the beneficiary countries, the presence of JASPERS staff on the ground maximises its impact and facilitates the transfer of knowledge to the beneficiaries.

In addition to its headquarters in Luxembourg, JASPERS has regional offices in Bucharest, Vienna, Warsaw and Sofia. Its Brussels office facilitates close contact with the EC and is responsible for most of the JASPERS appraisal activities.

<sup>11</sup> The EBRD also supported JASPERS from 2006 to 2017.



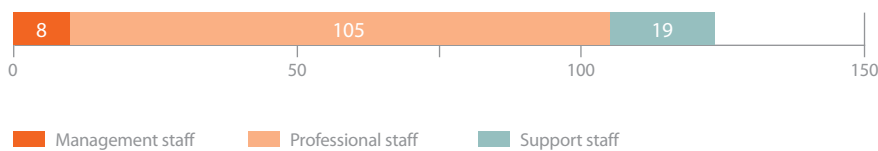
## Resources

At the end of December 2017, JASPERS had a total of 132 staff: 113 experts and managers and 19 support staff. A

breakdown of JASPERS staff by sector and location is given in Figure 12.

Figure 11

### JASPERS staff by category at 31 December 2017



JASPERS sometimes relies on the services of consultants to complement its in-house expertise or to add capacity in periods of particularly high workload.

and IPA II mandates), amounted to EUR 4.7 million, of which EUR 1.5 million were spent in 2017.

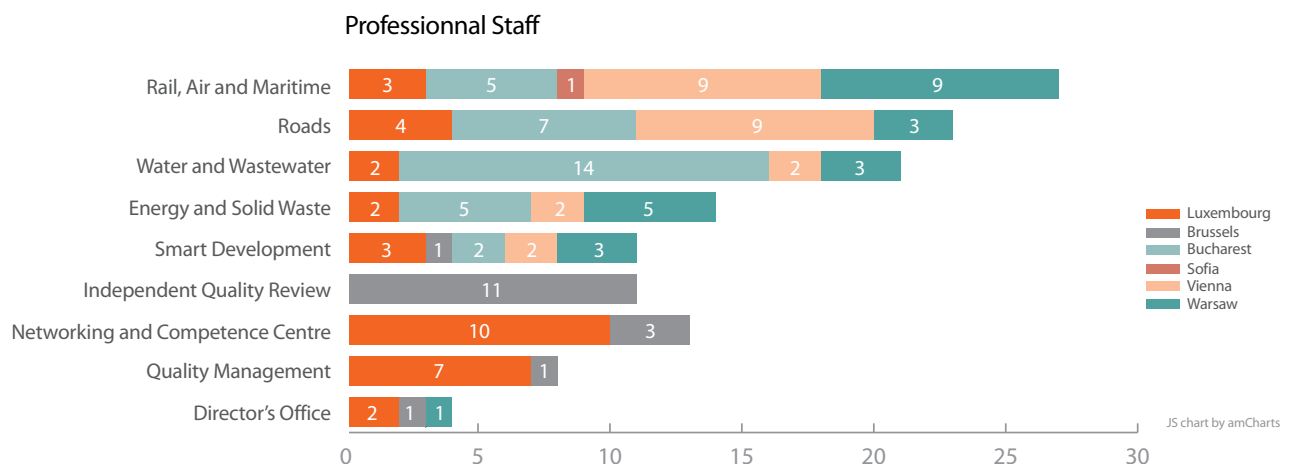
A total of 42 contracts for the provision of services were active during 2017: 41 contracts under the main EU mandate and one under IPA II. The cumulated value of the 42 active contracts in 2017, which take the form of either assignments to meet defined objectives or long-term assignments to meet the on-going needs of JASPERS (under its EU main

During 2017,

- 24 contracts, worth a total of EUR 2.2 million, were executed with 20 different consulting companies;
- 18 contracts, worth a total of EUR 2.5 million, which were signed during the previous reporting periods, remained on-going; and
- 15 contracts, with a total contract value of EUR 1.1 million, were completed.

Figure 12

### JASPERS staff by division and location at 31 December 2017





## Quality Management

JASPERS continued to roll out its quality management approach following the European Foundation for Quality Management model, reaching a major milestone in November 2017 when external assessors awarded JASPERS the EFQM Committed to Excellence certification. This award recognised the successful delivery of several ambitious improvement projects, including: extensive mapping, clarification and documentation of all business processes, procedures and roles; new methodologies for capturing added-value by JASPERS and for better understanding customer needs and expectations through a holistic customer feedback process; a new process for capturing the ideas and requirements for improvement opportunities and translating them into structured improvement projects.

The new customer-centric approach inspired the redesign of the JASPERS website (<http://jaspers.eib.org/>) to offer improved accessibility and provide up-to-date information on JASPERS actions and key results. In addition, the improved business process analysis facilitated the overhaul of the JASPERS internal database, adding enhanced monitoring and reporting functionalities.

The Quality Management Unit will continue to refine and improve the ways in which JASPERS measures its efficiency and effectiveness in contributing to cohesion policy.

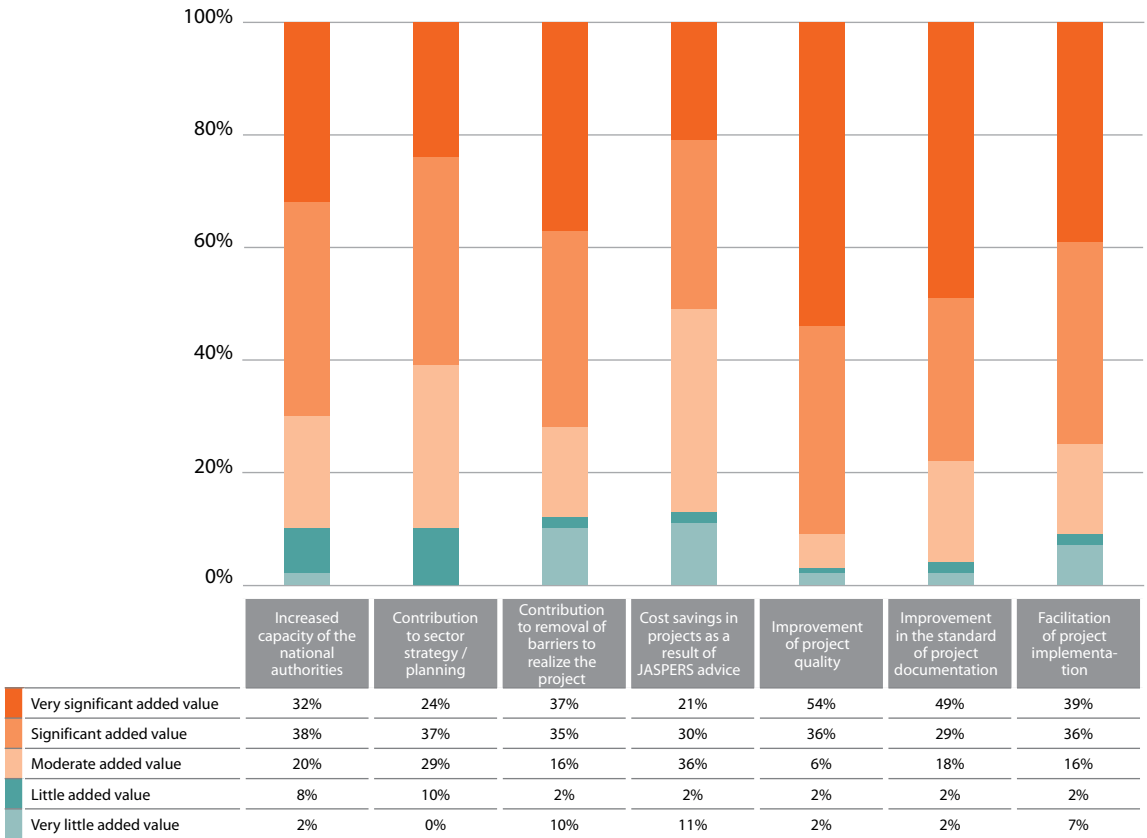
# Value-added and Results

Two key indicators tracked by JASPERS since its earliest days are the volume of EC-approved investment projects receiving JASPERS advice (which by the end of 2017 had reached EUR 18 billion for the 2014–20 programming period) and the increased efficiency of the EC approval process for major projects. The combination of JASPERS advisory support to Member States and appraisal support to the EC through IQR resulted in a substantial fall in average approval times in the 2014–20 programming period compared with 2007–13.

Starting in early 2017, an improved e-survey was introduced for all completed assignments to capture feedback from

managing authorities and final beneficiaries on their satisfaction with JASPERS' services and to identify the specific areas of advice where they perceived highest added-value. With a more systematic follow-up process, the response rate for the online assignment survey increased from 30% to 68%. The results, averaged over all feedback received, show that 93% of clients were "satisfied" or "highly satisfied" with JASPERS' overall support to advisory assignments completed in 2017, and that the most frequent area of high added-value was improvement in the quality of the investment projects.

**Figure 13**  
**Customer feedback on value-added of assignments completed in 2017**





# Annual stakeholders meeting

JASPERS held its ninth stakeholders meeting in Bratislava on 19 and 20 June 2017. Previous meetings took place in Rome (2016), Brussels (2015), Athens (2014), Malta (2013), Zagreb (2012), Budapest (2011), Sofia (2010) and Krakow (2009).

JASPERS stakeholders' meetings provide feedback and guidance from beneficiary countries and the EC regarding the operation and future direction of JASPERS. The 2017 event, which took place halfway through the 2014-20 programming period, was attended by 120 representatives from 20 of JASPERS' beneficiary countries and by representatives of JASPERS' partners.

## The 2017 meeting was structured around five sessions:

1. support to non-major projects and integration in the context of the Urban Agenda;
2. priority areas for JASPERS in the following 18-24 months;
3. models for 'hands-on' support to projects;
4. dissemination and communication of success stories;
5. potential expansion of post approval activities.

Representatives of the managing authorities of JASPERS' beneficiary countries actively contributed to the meeting, providing JASPERS with very useful feedback.

Before the event, participants were invited to participate in an online survey to help JASPERS fine-tune the agenda and prioritise the topics to be debated during the round tables at the stakeholders meeting. The meeting received feedback about JASPERS products and services and discussed anticipated needs and potential adjustments for the 2021-27 programming period.

An interactive approach was used to discuss priority areas in the following 18-24 months, along with models for "hands-on" support to projects and the potential expansion of post-approval activities.





# Financial information







## Expenditure in 2017: European Structural and Investment Funds (ESIF) mandate

The JASPERS budget under the Structural and Cohesion Funds mandate is made up of eligible costs co-financed by the technical assistance budget managed by DG Regional

and Urban Policy, the EIB and the EBRD in the form of professional and support staff time.

Table 13

### Summary Audited Financial Statement 2017

Summary Financial Statement for JASPERS Specific Grant Agreement 2017 for the period from 1 January 2017 to 31 December 2017

ELIGIBLE COSTS	Actual amounts 31/12/2017 EURO	Accruals 31/12/2017 EURO	Total 31/12/2017 EURO
Staff costs	33 641 010.35	0.00	33 641 010.35
External consultancy costs	1 213 923.80	459 723.80	1 673 647.60
Travel and subsistence expenses	1 300 607.96	12 350.00	1 312 957.96
<b>TOTAL ELIGIBLE COSTS</b>	<b>36 155 542.11</b>	<b>472 073.80</b>	<b>36 627 615.91</b>
European Union Contribution (80%)	28 924 433.69	377 659.04	29 302 092.73





## Expenditure in 2017: IPA II mandate

The IPA II mandate for the period 2016–20 is fully financed by the European Commission–DG NEAR. Following an addendum to the agreement signed in November 2017, this mandate has now a total budget of EUR 5 million, of which EUR 4 million is from the IPA II multi-country programme 2015 (including EUR 1 million earmarked for Turkey) and EUR 1 million, also earmarked for Turkey, is from the IPA II multi-country programme 2016.

The total amount earmarked for Turkey (EUR 2 million) is specifically dedicated to the support of environmental projects.

Unaudited expenditure for IPA II in 2017 was EUR 1.25 million. The cumulative expenditure for the period 2016-17 was EUR 1.89 million.

Table 14

### IPA II budget as at 31 December 2017

	2017 Expenditures			Total Expenditures 2016-2017			Total Budget	Total Exp / Budget	Addendum 1 TR
	AL, BA, XK, ME, MK	TR	Total	AL, BA, XK, ME, MK	TR	Total			
1. Staff costs									
Manager	20 550	1 984	22 534	39 012	7 883	46 895	59 621	79%	35 880
Experts	798 918	361 740	1 160 658	1 054 792	655 651	1 710 443	3 235 680	53%	811 332
2. Travel, subsistence	50 160	22 469	72 629	85 400	47 494	132 894	421 200	32%	105 300
3. Subcontracted costs	3 920	–	3 920	3 920	–	3 920	283 499	1%	47 488
<b>TOTAL</b>	<b>873 548</b>	<b>386 193</b>	<b>1 259 741</b>	<b>1 183 124</b>	<b>711 028</b>	<b>1 894 152</b>	<b>4 000 000</b>	<b>47%</b>	<b>1 000 000</b>



## Expenditure in 2017: Serbia National Programme

The Serbia National Programme mandate for the period 2015-19 is fully financed by the EC. The mandate has a total budget of EUR 1.5 million.

Unaudited expenditure for the Serbia National Programme in 2017 was EUR 271 562. The cumulative expenditure for the period 2015–17 was EUR 654 145.

Table 15

### Serbia NP budget as at 31 December 2017

EC Contribution	2017 Total			Cumulative Total 2015-2019		
	Budget	Actual	%Actual / Budget	Budget	Actual	%Actual / Budget
Professional Staff: EC+EIB+EBRD	250 963.20	248 796.02	99.14%	1 254 816.00	588 662.94	46.91%
<b>Total EC Staff</b>	<b>250 963.20</b>	<b>248 796.02</b>	<b>99.14%</b>	<b>1 254 816.00</b>	<b>588 662.94</b>	<b>46.91%</b>
Travel	40 000.00	22 765.78	56.91%	200 000.00	63 295.10	31.65%
External Consultancy & Other	9 036.80	0.00	0.00%	45 184.00	2 187.28	4.84%
<b>Total EC Contribution</b>	<b>300 000.00</b>	<b>271 561.80</b>	<b>90.52%</b>	<b>1 500 000.00</b>	<b>654 145.32</b>	<b>43.61%</b>





## Expenditure in 2017: CEF mandate

The CEF mandate for the period 2015–17 is made up of eligible costs co-financed by the CEF budget and EIB in the form of professional staff, travel, consultancy services, etc. It covers operations from July 2015 to July 2017 with an overall budget of EUR 1 402 411.

Unaudited expenditure for CEF in 2017 was EUR 301 570, with cumulative expenditure under the CEF mandate at end 2017 of EUR 1 120 340, representing 80% of the overall budget.

Table 16

### JASPERS CEF Countries budgets as at 31 December 2017

EC Contribution	2017 Total			Cumulative Total 2015-16-2017		
	Budget	Actual	%Actual / Budget	Budget	Actual	%Actual / Budget
Professional Staff	364 175.72	271 367.91	74.52%	1 072 128	979 320.19	91.34%
Support Staff	0.00	0.00			0.00	
<b>Total EC Staff</b>	<b>364 175.72</b>	<b>271 367.91</b>	<b>74.52%</b>	<b>1 072.128</b>	<b>979 320.19</b>	<b>91.34%</b>
Travel	48 999.98	0.00	0.00%	78 000	29 000.03	37.18%
External Consultancy	0.00	0.00		32 042	0.00	0.00%
Other	0.00	0.00		80 000	0.00	0.00%
<b>Total EC Contribution</b>	<b>90%</b> <b>413 175.70</b>	<b>271 367.91</b>	<b>65.68%</b>	<b>1 262 170</b>	<b>1 008 320.22</b>	<b>79.89%</b>
Partner's Contribution in staff	10%	58 404.66	51.71%	140 241	112 035.58	79.89%
<b>Total</b>	<b>471 580.35</b>	<b>301 567.15</b>	<b>63.95%</b>	<b>1 402 411</b>	<b>1 120 355.79</b>	<b>79.89%</b>

received 50% EUR

631 085.00



# Statistical annexes



## Annex 1:

### Portfolio of advisory and capacity building assignments for European Structural and Investment Funds (ESIF) and CEF mandates by country and sector at 31 December 2017

	Energy and Solid Waste	Rail, Air and Maritime	Roads	Smart Development	Water and Wastewater	Networking and Competence Centre	Multi-Sector	Active 31/12/2017	Energy and Solid Waste	Rail, Air and Maritime	Roads	Smart Development	Water and Wastewater	Networking and Competence Centre	Multi-Sector	Completed in 2017	Portfolio 2017		
	Active assignments per division								Completed assignments per division										
MANDATE	ESIF	ESIF of which CEF	ESIF	ESIF	ESIF	ESIF	ESIF	ESIF & CEF	ESIF	ESIF of which CEF	ESIF	ESIF	ESIF	ESIF	ESIF	ESIF & CEF	ESIF & CEF		
BULGARIA	1	2	2	2	16	1		24	1	6	2					9	33		
CROATIA	7	21	16	7	15			66	1	1	1	2	7		1	13	79		
CYPRUS		1						1								0	1		
CZECH REPUBLIC		19	3	1	2		1	26								0	26		
FRANCE	3	4		3				10	1							1	11		
GREECE	4	4		1	3	1	1	14	1		1	1				3	17		
HUNGARY	1	9	1	5	5	1	1	22	3	6	1					10	32		
IRELAND	1			1				2								0	2		
ITALY	1	7			1			9				1				1	10		
LATVIA	1	2		2				5	1	1	1	2				5	10		
LITHUANIA		1			1			2	2							2	4		
MALTA	1		2		3	1		7			1	2				3	10		
POLAND	6	31	6	6	11	1		61	5	15	5	2	1			28	89		
PORTUGAL						1		1		1						1	2		
ROMANIA	6	25	2	14	6	52	2	106	4	3	1	1	7	1	2	20	126		
SLOVAKIA	11	12	3	1	1	2	1	30		4	3	1				8	38		
SLOVENIA	1	4		1	1			7		1	1					1	8		
SPAIN		1						1								0	1		
UNITED KINGDOM		1	1					2								0	2		
MULTI-COUNTRY	0	4		1		11		16				1		10	1	12	28		
<b>TOTAL</b>	<b>33</b>	<b>147</b>	<b>3</b>	<b>61</b>	<b>34</b>	<b>111</b>	<b>21</b>	<b>5</b>	<b>412</b>	<b>19</b>	<b>38</b>	<b>6</b>	<b>17</b>	<b>13</b>	<b>15</b>	<b>11</b>	<b>4</b>	<b>117</b>	<b>529</b>

## Annex 2:

### Advisory assignments completed for European Structural and Investment Funds (ESIF) mandate in 2017

Country / Area	Sector/Division	Project Type	Title	Total
<b>BULGARIA</b>	ENERGY AND SOLID WASTE	Major Project	Design and Construction of Combined Heat and Power Plant in Sofia with RDF Utilisation (RDF-CHP)	
	RAIL, AIR AND MARITIME	Capacity Building	Increasing administrative capacity for the implementation of rail projects	
		Major Project	Railway modernisation "Elin Pelin - Septemvri"	
		Major Project	Railway rehabilitation "Plovdiv - Burgas, Phase II"	
		Major Project	Sofia: Metro Line 3, Western Section	
		Major Project	Support for Sofia Integrated Urban Transport Project - Phase II	
		Major Project	Support to implementation of Sofia Integrated Urban Transport project	
	ROADS	Major Project	Construction of Struma Motorway - Lot 3	
		Major Project	Preparation of Hemus Motorway	
<b>Total</b>				<b>9</b>
<b>CROATIA</b>	ENERGY AND SOLID WASTE	Horizontal/Strategy Support	Review of guidelines for waste management projects in Croatia	
	MULTI SECTOR	Capacity Building	Climate Change and major Projects Training Seminar - Croatia	
	RAIL, AIR AND MARITIME	Major Project	Zapresic - Zabok	
	ROADS	Major Project	Feasibility study for Neum corridor/Peljesac bridge	
	SMART DEVELOPMENT	Small Project	Croatian Scientific and Educational Cloud HR-ZOO	
		Small Project	Upgrade of Centre for Advanced Laser Techniques (CALT)	
	WATER AND WASTEWATER	Major Project	Rijeka water supply and wastewater	
		Major Project	Varazdin County wastewater infrastructure	
		Major Project	Zagreb East - Regional bulk water supply	
		Small Project	Nin wastewater infrastructure	
		Small Project	Upgrade and extension of the Zabok and Zlatar wastewater systems	
		Small Project	Valpovo and Belisce wastewater	
	Small Project	Velika Gorica wastewater infrastructure		
<b>Total</b>				<b>13</b>
<b>FRANCE</b>	ENERGY AND SOLID WASTE	Major Project	Integrated waste management center of Petit Galion	
<b>Total</b>				<b>1</b>
<b>GREECE</b>	ENERGY AND SOLID WASTE	Small Project	East Macedonia Thrace Gas Distribution	
	ROADS	Major Project	Patras - Pyrgos Motorway	
	SMART DEVELOPMENT	Major Project	Establishment of a national cadastral system	
<b>Total</b>				<b>3</b>
<b>HUNGARY</b>	ENERGY AND SOLID WASTE	Major Project	DAREH Regional Waste Management System	
		Major Project	Duna Vertes Koze Regional Waste Management Programme	
		Major Project	Establishment of a Heat Cooperation System in South Budapest	
	RAIL, AIR AND MARITIME	Capacity Building	Strategy for rolling stock	
		Major Project	Development of Lepseny - Balatonszentgyorgy railway line, Phase II	
		Major Project	Electrification of railway line 2 between Budapest and Esztergom	
		Major Project	Modernisation of Puspokladany-Ebes railway line	
		Major Project	Reconstruction of Metro Line 3	
	ROADS	Horizontal/Strategy Support	Projects for developments to improve traffic safety	
<b>Total</b>				<b>9</b>
<b>ITALY</b>	SMART DEVELOPMENT	Major Project	NGA implementation in Italy	
<b>Total</b>				<b>1</b>



Country / Area	Sector/Division	Project Type	Title	Total
LATVIA	ENERGY AND SOLID WASTE	Horizontal/Strategy Support	Review of potential support mechanism to increase energy efficiency in the sector of public buildings	5
	RAIL, AIR AND MARITIME	Major Project	Riga tram infrastructure development	
	ROADS	Horizontal/Strategy Support	Evaluation of the improvement of supervision and QA for road construction contracts	
	SMART DEVELOPMENT	Horizontal/Strategy Support	Evaluation and analysis of public research infrastructure projects - phase I (evaluation criteria)	
		Small Project	Development of Infrastructure of the University of Latvia	
<b>Total</b>				<b>5</b>
LITHUANIA	ENERGY AND SOLID WASTE	Major Project	Vilnius district heating system upgrade introducing co-generation plants using renewable energy resources	2
		Major Project	Vilnius high efficiency CHP Waste to Energy power plant	
<b>Total</b>				<b>2</b>
MALTA	ROADS	Horizontal/Strategy Support	Development of a National Transport Masterplan	3
	SMART DEVELOPMENT	Horizontal/Strategy Support	Assistance in the preparation of the Integrated Sustainable Urban Development Strategy and definition of prioritisation criteria	
		Horizontal/Strategy Support	Revision of Smart Specialisation Strategy	
<b>Total</b>				<b>3</b>
MULTI	MULTI SECTOR	Horizontal/Strategy Support	Support to the EC and JASPERS teams on CBA methodology and guidance	12
		Capacity Building	Climate Change Adaptation: Vulnerability and Risk Assessment	
			Extreme Light Infrastructure roundtable	
			Flood Risk Management Best Practices	
			Implementation of the Urban Agenda - Local Workshops	
			Launch of the 2014-2020 CBA Guide	
			Networking Platform - Ad-hoc seminars and roundtables 2013-2015	
			Public Transport Performance Monitoring	
			SUMP Training - concept for 2 day base course and ad hoc training	
			Workshop on Organisational and Contractual Structures for EU-funded Public Transport	
	Workshop on the development and financing of Smart Grids in 2014-2020			
SMART DEVELOPMENT	Capacity Building	Workshops on implementing the Urban Agenda for the EU: A Smart City Approach		
<b>Total</b>				<b>12</b>
POLAND	ENERGY AND SOLID WASTE	Horizontal/Strategy Support	Waste Management Plan for Warminsko-Mazurskie Voivodship	12
		Major Project	Comprehensive thermo-modernisation of state art schools in Poland	
		Major Project	GAZ SYSTEM Strachocina - Pogorska Wola gas pipeline	
		Major Project	GAZ SYSTEM Zdzeszowice-Wroclaw gas pipeline	
		Small Project	Thermo-modernisation of National State Forests buildings	
	RAIL, AIR AND MARITIME	Major Project	Bydgoszcz: Construction of tram line along Kujawska Street	
		Major Project	Gdansk: tram project (GPKM IV)	
		Major Project	Integrated System of Emission-free Public Transport in Zielona Gora	
		Major Project	Lodz Railway Node - Lodz Fabryczna - Lodz Kaliska Tunnel	
		Major Project	Modernisation and construction of tramway infrastructure and purchase of rolling stock in Lodz	
		Major Project	Modernisation and development of tram infrastructure in Upper-Silesia along with the purchase of tram rolling stock – stage I	
		Major Project	Modernisation of railway line no. 354 Poznan - Pila	
		Major Project	Poznan: Purchase of modern low-floor tram fleet (stage II)	
		Major Project	Torun: Improving the efficiency of the public transport	

Country / Area	Sector/Division	Project Type	Title	Total		
POLAND	RAIL, AIR AND MARITIME	Major Project	Warsaw - Low emission bus fleet and necessary infrastructure	28		
		Major Project	Warsaw: Metro Line 2 extension 2+3			
		Major Project	Warsaw: Wilanow tram			
		Major Project	Works on railway lines no. 140, 148, 157, 159, 173, 689, 691 on the Chybie - Zory - Rybnik - Nedza/Turze section			
		Major Project	Works on railway lines no. 68 and 565 in section Lublin - Stalowa Wola Rozwadow together with electrification			
		Major Project	Works on the railway line no.7 Warszawa Wschodnia Osobowa - Dorohusk in the section Warszawa - Otwock - Dęblin - Lublin Stage II			
	ROADS	Major Project	Construction of National Road No. 81 from A4/DK86 interchange to interchange with Armii Krajowej Street - Phase I			
		Major Project	Construction of Walbrzych road bypass on the national road no 35			
		Major Project	Improvement of the communication link between the islands of Uznam and Wolin in Swinoujscie			
		Major Project	S-2 Expressway section Pulawska-Lubelska			
		Major Project	S-5 Expressway section Poznan-Kaczkowo			
	SMART DEVELOPMENT	Horizontal/Strategy Support	EPEC hospital evaluation grid: translation, adaptation, consultation and testing			
		Small Project	Integrated Territorial Investment of Miasto Zamosc			
	WATER AND WASTEWATER	Major Project	Klodzka Dale flood risk management			
	<b>Total</b>					<b>28</b>
	PORTUGAL	RAIL, AIR AND MARITIME	Small Project		ESIF TA - Linha do Daouro - Modernisation section Caide-Regua	1
<b>Total</b>						
ROMANIA	ENERGY AND SOLID WASTE	Horizontal/Strategy Support	Increasing energy production from less developed renewable energy sources			
		Horizontal/Strategy Support	Increasing primary energy efficiency in high-efficiency cogeneration systems			
		Horizontal/Strategy Support	Reducing energy consumption in industrial consumers			
		Horizontal/Strategy Support	Support in developing waste management plans			
	MULTI SECTOR	Capacity Building	Support for the training of LIOP 2014-2020 beneficiaries (transport sector) with regard to the implementation of EU environmental requirements			
		Horizontal/Strategy Support	Support for the preparation of the Operational Programme Large Infrastructure - Transport 2014-2020			
	NETWORKING AND COMPETENCE CENTRE	Capacity Building	Cumulative Impacts Training for Romanian Authorities			
	RAIL, AIR AND MARITIME	Major Project	Development of a multi-modal transport terminal in the Port of Galati			
		Major Project	Rehabilitation of Simeria-km614 railway line			
	ROADS	Major Project	Sebes - Turda Motorway Phase II			
		Major Project	Targu Mures - Campia Turzii Motorway			
	SMART DEVELOPMENT	Major Project	Enhancing the coverage and inclusiveness of the property registration system in rural Romania			
	WATER AND WASTEWATER	Major Project	Alba County II - water and wastewater infrastructure investments for 2014-2020			
		Major Project	Cluj County II - water and wastewater infrastructure in Turda - Campia Turzii region			
		Major Project	Galati County II - water and wastewater investments for 2014-2020			
		Major Project	Hunedoara County II - water and wastewater infrastructure in Jiu Valley			
Major Project		Vrancea II - Extension and Modernisation of the Water and Wastewater Systems				
Small Project		Flood risk management - Babadag area				
Small Project		Phase II of the Efficient Response Save Lives Programme				
<b>Total</b>				<b>19</b>		

Country / Area	Sector/Division	Project Type	Title	Total
<b>SLOVAKIA</b>	RAIL, AIR AND MARITIME	Major Project	Modernisation of ZSSK workshops	
	ROADS	Horizontal/Strategy Support	Assistance with environmental issues for specific projects of OPT	
		Horizontal/Strategy Support	Guidance on Natura 2000 Procedures in Road Projects	
		Major Project	D3 Motorway Svrcinovec-Skalite (1/2 profile), Phase II	
	SMART DEVELOPMENT	Major Project	Expansion of national eHealth services	
<b>Total</b>				<b>5</b>
<b>Grand Total</b>				<b>111</b>

## Annex 3:

### Advisory assignments completed for the Connected Europe Facility mandate in 2017

Country / Area	Sector/Division	Project Type	Title	Total
<b>HUNGARY</b>	RAIL, AIR AND MARITIME	Major Project	CEF - Bekescsaba - Lokoshaza railway line modernisation	
<b>Total</b>				<b>1</b>
<b>ROMANIA</b>	RAIL, AIR AND MARITIME	Major Project	CEF - Rehabilitation of Predeal-Brasov railway line	
<b>Total</b>				<b>1</b>
<b>SLOVAKIA</b>	RAIL, AIR AND MARITIME	Major Project	CEF - Implementation of the GSM-R in section Varin – Kosice – Cierna nad Tisou state border	
		Major Project	CEF - Modernization of Railway track in Žilina node	
		Major Project	CEF - Signalling and ERTMS implementation on CZ/SK state border - Kutý - Devínska section	
<b>Total</b>				<b>3</b>
<b>SLOVENIA</b>	RAIL, AIR AND MARITIME	Major Project	CEF - Railway Link Divaca-Koper	
<b>Total</b>				<b>1</b>
<b>Grand Total</b>				<b>6</b>



## Annex 4:

### Appraisals carried out by Independent Quality Review (IQR) and Post-Submission Appraisal (PSA) in 2017

Task Type	Country / Area	Sector/Division	Title	Advisory		Total
				with	without	
IQR	CROATIA	RAIL, AIR AND MARITIME	Reconstruction and Electrification of Zaprešić – Zabok Railway Section	√		
		ROADS	Road Connection to South Dalmatia	√		
		WATER AND WASTEWATER	Collection of waste water and waste water treatment of the agglomeration Varaždin	√		
		WATER AND WASTEWATER	Wastewater Collection, Sewerage and Treatment Project on the Island of Krk	√		
	LATVIA	RAIL, AIR AND MARITIME	Riga Tram Infrastructure Development	√		
	LITHUANIA	ENERGY AND SOLID WASTE	Vilnius Biofuel-fired Cogeneration Plant	√		
		ENERGY AND SOLID WASTE	Vilnius Waste to Energy Plant	√		
	POLAND	RAIL, AIR AND MARITIME	Works on railway lines no. 140, 148, 157, 159, 173, 689, 691 on the Chybie – Żory – Rybnik – Nędza/Turze section		√	
		RAIL, AIR AND MARITIME	Works on railways 68 and 565 on the section Lublin - Stalowa Wola Rozwadów	√		
	ROMANIA	WATER AND WASTEWATER	Extension and modernization of the water supply and sewerage system in Vrancea County, Phase II	√		
		WATER AND WASTEWATER	Galați County water and wastewater infrastructure regional development project, 2014 – 2020	√		
		WATER AND WASTEWATER	Modernisation of Water and Wastewater Infrastructure in the Hunedoara County (Jiu Valley) – 2014-2020	√		
		WATER AND WASTEWATER	Rehabilitation and extension of the water and wastewater systems in Alba County, 2014 - 2020	√		
	SLOVAKIA	ROADS	D3 Svrčinovec – Skalité, Phase II	√		
ROADS		D3 Žilina, Strážov – Žilina, Brodno, Phase II*	√			
<b>IQR Total</b>			<b>14</b>	<b>1</b>	<b>15</b>	
PSA	BULGARIA	RAIL, AIR AND MARITIME	Modernisation of the Sofia - Plovdiv rail line: Rail section Elin Pelin - Kostenets	√		
		RAIL, AIR AND MARITIME	Rehabilitation of Railway line Plovdiv – Burgas, Phase 2	√		
		RAIL, AIR AND MARITIME	Sofia Metro Extension, Line 3, Stage II - Section Zhitnitsa Str. - Ovcha Kupel RD – Ring Road	√		
		ROADS	Struma Motorway - Lot 3.1, Lot 3.3 and Zheleznița Tunnel	√		
	HUNGARY	RAIL, AIR AND MARITIME	Development of the Budapest - Esztergom railway line: Electrification & additional construction works	√		
		RAIL, AIR AND MARITIME	Development of the Szajol – Debrecen railway line section: modernisation of the Püspökladány (excl.) – Ebes (incl.) line section	√		
		RAIL, AIR AND MARITIME	Reconstruction of the South-Balaton railway line Stage 1 Section 2, Szántód – Kőröshegy – Balatonszentgyörgy	√		
		RAIL, AIR AND MARITIME	Upgrading metro line M3 in Budapest		√	
		ROADS	Construction of M35 motorway section from Main Road No. 4 to Berettyóújfalu and Main Road No. 481		√	
	ROADS	Development of the Budapest–Vác section of M2 highway	√			
		M4 motorway between Berettyóújfalu and Nagykereki, country border		√		
POLAND		ENERGY AND SOLID WASTE	Comprehensive thermo-modernisation of state art schools in Poland	√		
ENERGY AND SOLID WASTE	Gazociąg Zdzieszowice - Wrocław OGP Gaz-System S.A.	√				

Task Type	Country / Area	Sector/Division	Title	Advisory		Total
				with	without	
		ENERGY AND SOLID WASTE	Kompleksowa termomodernizacja państwowych placówek szkolnictwa artystycznego w Polsce	√		
		ENERGY AND SOLID WASTE	Lwowek-Odolanow pipeline	√		
		RAIL, AIR AND MARITIME	Construction of the tram route to Wilanow along with the purchase of rolling stock and accompanying infrastructure		√	
		RAIL, AIR AND MARITIME	Construction of Warsaw Metro Line II and purchase of rolling stock - stage III	√		
		RAIL, AIR AND MARITIME	Improving the functioning of urban transport in Toruń BiT City II	√		
		RAIL, AIR AND MARITIME	Modernisation of tram fleet in Wrocław - stage IA		√	
		RAIL, AIR AND MARITIME	Modernization of railway line 354 Poznań Główny PoD - Chodzież - Piła Główna	√		
		RAIL, AIR AND MARITIME	Purchase of 130 low-floor low-emission busses for Warsaw	√		
		RAIL, AIR AND MARITIME	Purchase of low-floor tram rolling stock for Poznan		√	
		RAIL, AIR AND MARITIME	Purchase of low-floor tram rolling stock to improve urban transport in Krakow - Part I		√	
		RAIL, AIR AND MARITIME	Works on railway 7, section Warsaw - Lublin, stage II	√		
		ROADS	Construction of express road S5 Mielno - Gniezno		√	
		ROADS	Construction of express road S5 Mielno-Bydgoszcz, section Białe Błota - Mielno		√	
		ROADS	Construction of express road S5 Poznań - Kaczkowo	√		
		ROADS	Construction of expressway S6, Kiełpino to bypasses of Koszalina and Sianów		√	
		ROADS	Construction of expressway S7, section Lubien - Rabka		√	
		ROADS	Construction of S6 express road Szczecin-Koszalin, Koszalin and Sianów by-pass (S6/S11)		√	
		ROADS	Construction of the express road S7 Olsztynek - Płońsk, section Nidzica - Napiérki	√		
		ROADS	Construction of the Góra Kalwaria bypass along national roads DK 50 and 79		√	
		ROADS	Construction of Wałcz bypass in the course of S10 expressway		√	
		ROADS	Reconstruction of express road S8 section Radziejowice-Paszów		√	
		WATER AND WASTEWATER	Construction of Raciborz Dolny Flood Protection Reservoir on the Odra River, Silesian Voivodeship (Polder)	√		
		WATER AND WASTEWATER	Water supply and wastewater management in Warsaw – Phase V	√		
	<b>PORTUGAL</b>	ENERGY AND SOLID WASTE	Ampliação do Aproveitamento Hidroelétrico da Calheta		√	
		SMART DEVELOPMENT	Embraer - Desenvolvimento e Implementação de Soluções Industriais Avançadas		√	
		SMART DEVELOPMENT	Tejo Project 2018 - Innovation in Paper Pulp Production		√	
	<b>SLOVENIA</b>	WATER AND WASTEWATER	Ljubljana wastewater collection and treatment	√		
<b>PSA Total</b>				<b>22</b>	<b>18</b>	<b>40</b>
<b>Grand Total</b>				<b>36</b>	<b>19</b>	<b>55</b>

\* this appraisal also features in the 2016 report given the reference in 2016 was the completion date and not the submission date of the IQR/PSA

## Annex 5:

### Overview of JASPERS-supported major projects approved by the European Commission in 2017

	Sum of Total Investment in EUR m	Sum of Total community amount in EUR m"	Number of MP
<b>2007-2013 programming period</b>	<b>177,74</b>	<b>94,68</b>	<b>2</b>
with JASPERS advisory	177,74	94,68	2
<b>Article 102(1): IQR*</b>	<b>2.213,51</b>	<b>1.440,73</b>	<b>13</b>
with JASPERS advisory	2.213,51	1.440,73	13
<b>Article 102(2): PSA**</b>	<b>7.754,47</b>	<b>4.680,42</b>	<b>30</b>
with JASPERS advisory	4.403,40	2.837,49	17
without JASPERS advisory	3.351,06	1.842,92	13
<b>Article 103***</b>	<b>7.432,38</b>	<b>2.495,31</b>	<b>44</b>
with JASPERS advisory	7.432,38	2.495,31	44
<b>CEF</b>	<b>99,97</b>	<b>80,43</b>	<b>4</b>
with JASPERS advisory	99,97	80,43	4
<b>Grand Total</b>	<b>17.678,06</b>	<b>8.791,57</b>	<b>93</b>

\* 102 (1): An Independent Quality Review is produced by JASPERS for a Member State which, if the review is positive, submits it to the Commission to support its application for funding.

\*\*102(2): The Member State submits an application for funding to the Commission, which requests a Post-Submission Appraisal from JASPERS as input to its decision about providing support.

\*\*\*103: It refers to phased projects where funding is provided from two programming periods. In some cases, JASPERS provided advice about the request for phasing.



## Annex 6:

### List of JASPERS-supported major projects approved by the European Commission in 2017

Approval process	Country	Title (JASPERS)	Advisory support	total cost (EUR m)	EU grant (EUR m)
2007-2013	HUNGARY	DAREH Regional Waste Management System	√	89.29	37.47
	ROMANIA	Rehabilitation of NR 1C Dej-Baia Mare, km 61+500-km 147+990	√	88.45	57.21
<b>2007-2013 Total</b>			<b>2</b>	<b>177.74</b>	<b>94.68</b>
Article 102(1): IQR	HUNGARY	Collection of waste water and waste water treatment of the agglomeration Varaždin	√	112.61	64.31
		Reconstruction and Electrification of Zaprešić – Zabok Railway Section	√	101.75	68.71
		Road Connection to South Dalmatia	√	526.01	357.28
		Wastewater Collection, Sewerage and Treatment Project on the Island of Krk	√	85.30	48.57
	LATVIA	Riga Tram Infrastructure Development	√	123.85	65.67
	POLAND	Construction of the Regional Road Raciborz-Pszczyna - section in City of Rybnik, Stage I	√	102.65	68.63
		Works on railway lines no. 140, 148, 157, 159, 173, 689, 691 on the Chybie – Żory – Rybnik – Nędza/Turze section	√	118.02	66.36
		Works on railway lines no. 68 and 565 in section Lublin - Stalowa Wola Rozwadów together with electrification	√	143.66	99.28
	ROMANIA	Extension and modernization of the water supply and sewerage system in Vrancea County, Phase II	√	245.75	175.97
		Modernisation of Water and Wastewater Infrastructure in the Hunedoara County (Jiu Valley) – 2014-2020	√	84.80	60.72
		Rehabilitation and extension of the water and wastewater systems in Alba County, 2014 - 2020	√	135.36	86.74
	SLOVAKIA	D3 Svrčinovec – Skalité, Phase II	√	207.88	130.82
		D3 Žilina, Strážov – Žilina, Brodno, Phase II	√	225.87	147.67
<b>Article 102(1): IQR Total</b>			<b>13</b>	<b>2.213.51</b>	<b>1.440.73</b>
Article 102.2: PSA	BULGARIA	Sofia Metro Extension, Line 3, Stage II - Section Zhitnitsa Str. - Ovcha Kupel RD – Ring Road	√	123.83	86.65
		Struma Motorway - Lot 3.1, Lot 3.3 and Zheleznița Tunnel	√	391.04	329.89
	POLAND	Comprehensive thermo-modernisation of state art schools in Poland	√	115.11	93.94
		Construction of express road S5 Mielno - Gniezno		132.85	71.37
		Construction of express road S5 Mielno-Bydgoszcz, section Białe Błota - Mielno		320.48	164.42
		Construction of express road S5 Poznań - Kaczkowo	√	543.20	285.41
		Construction of express road S7 Koszwały – Elbląg		868.39	462.92
		Construction of expressway S19 Lublin - Rzeszów, section node Sokółów Młp. North - Stobierna		195.09	94.94
		Construction of expressway S7, section Lubien - Rabka		567.52	303.59
		Construction of Line II of the Warsaw Metro, Stage II, 3+3 stations	√	610.44	432.25
		Construction of Raciborz Dolny Flood Protection Reservoir on the Odra River, Silesian Voivodeship (Polder)	√	333.61	76.05
		Construction of the A1 motorway, sect. Pyrzowice - Czestochowa		607.80	315.24
		Construction of the express road S7 Olsztynek - Płońsk, section Nidzica - Napierki	√	144.83	68.12

Approval process	Country	Title (JASPERS)	Advisory support	total cost (EUR m)	EU grant (EUR m)
		Construction of the express road S8 Wyszów - Białystok, section Mazovian/Podlaskie border - Zambrów		124.43	67.98
		Construction of Wałcz bypass in the course of S10 expressway		123.63	60.87
		Gazociąg Zdżeszowice - Wrocław OGP Gaz-System S.A.	√	175.24	79.16
		Improving the functioning of urban transport in Toruń BiT City II	√	74.92	44.94
		Lwówek-Odolanów pipeline	√	246.37	112.52
		Modernisation of tram fleet in Wrocław - stage IA		58.00	36.53
		Modernization of railway line 354 Poznań Główny PoD - Chodzież - Piła Główna	√	114.75	97.54
		Purchase of low-floor tram rolling stock for Poznań	√	84.11	11.49
		Purchase of low-floor tram rolling stock to improve urban transport in Kraków - Part I		59.27	28.96
		Reconstruction of express road S8 section Radziejowice-Paszków		109.93	143.75
		The construction of the ring road Ostróda, DK 16		120.04	68.81
		Water supply and wastewater management in Warsaw – Phase V	√	201.17	128.25
		Works on railway 7, section Warsaw - Lublin, stage I	√	882.86	750.43
		Works on railway 7, section Warsaw - Lublin, stage II	√	129.65	91.72
	PORTUGAL	Embraer - Desenvolvimento e Implementação de Soluções Industriais Avançadas		63.63	23.53
	SLOVENIA	Ljubljana wastewater collection and treatment	√	135.62	68.88
	SLOVAKIA	Modernisation of tram tracks in Košice, Stage 2, Part 1	√	96.65	80.26
<b>Article 102.2: PSA Total</b>			<b>30</b>	<b>7.754.47</b>	<b>4.680.42</b>
<b>Article 103</b>	BULGARIA	Integrated water project-Vratza	√	57.75	34.93
		Reconstruction and enlargement of two sections of Sofia Ring Road	√	59.14	50.16
	CROATIA	Dubrovnik airport development	√	160.29	94.93
		Dugo Selo - Novska	√	211.63	145.34
		Osijek water supply and wastewater treatment	√	26.41	19.30
	CZECH REPUBLIC	Reconstruction of Railway Station Olomouc	√	35.78	17.20
	GREECE	Automatic ticketing system for Athens urban transport	√	65.76	18.76
		Creation of Broadband network in rural areas	√	125.06	50.93
	HUNGARY	GSM-R connection of Hungarian railway lines to the European railway network	√	28.92	19.35
	ITALY	Phasing assignment: Environmental Restoration of "Laghi Flegrei" Project	√	65.00	38.39
		Phasing of railway line Metaponto - Sibari - Paola (Bivio S. Antonello)	√	154.81	74.75
		Phasing of the Catania-Siracusa railway project, Bicocca-Targia section	√	132.00	56.47
		Phasing of the Palermo railway node project, La Malfa EMS-Carini section	√	1.539.12	13.45
		Phasing of the Palermo-Messina railway project, Fiumetorto-Ogliastrello section	√	1.634.72	105.49
		Phasing of the Port of Salerno road link project	√	146.60	45.43
	LATVIA	Incukalna and Olaine Decontamination	√	29.70	24.87
	ROMANIA	Construction of Dumbrava-Deva motorway	√	558.76	336.06
		Construction of Metro Line 5: Raul Doamnei to Eroilor section	√	411.51	251.88
		Construction of Timisoara - Lugoj Motorway	√	17.90	8.92

Approval process	Country	Title (JASPERS)	Advisory support	total cost (EUR m)	EU grant (EUR m)
		Extension and Rehabilitation of the Water and Wastewater Infrastructure in Maramures County	√	32.64	21.07
		Extension and Rehabilitation of Water and Wastewater Infrastructure in Suceava County	√	7.81	5.02
		Extension of Bucharest Metro line 4: Parc Bazilescu to Straulesti section	√	72.23	34.20
		Extension/modernisation of the Bucharest wastewater infrastructure (SOP I 2007 – 2013)	√	390.40	196.46
		Extension/modernisation of the water supply/sewerage in Arges County (SOP I 2007-2013)	√	29.14	18.16
		Extension/modernisation of the water supply/sewerage in Brasov County (SOP I 2007 – 2013)	√	27.40	17.47
		Extension/modernisation of the water supply/sewerage in Gorj County (SOP I 2007 – 2013)	√	11.90	7.09
		Extension/modernisation of the water supply/sewerage in Mehedinti County (SOP I 2007 – 2013)	√	59.81	39.06
		Extension/modernisation of the water supply/sewerage in Olt County (SOP I 2007 – 2013)	√	2.18	1.56
		Extension/modernisation of the water supply/sewerage in Sibiu County (SOP I 2007 – 2013)	√	4.70	2.80
		Extension/modernisation of the water supply/sewerage in Teleorman County (SOP I 2007 – 2013)	√	15.42	10.92
		Extension/modernisation of the water supply/sewerage in Tulcea County (SOP I 2007 – 2013)	√	11.65	8.25
		Extension/modernisation of the water supply/sewerage in Vaslui County (SOP I 2007 – 2013)	√	78.92	51.19
		Extension/modernization water supply/sewerage system in Arad county	√	42.94	27.44
		Extension/modernization water supply/sewerage system in Bistrita-Nasaud county	√	13.30	6.62
		Extension/modernization water supply/sewerage system in Covasna county	√	5.34	3.48
		Extension/modernization water supply/sewerage system in Dambovita county	√	9.74	6.30
		Extension/modernization water supply/sewerage system in Mures county	√	25.72	16.43
		Extension/modernization water supply/sewerage system in Prahova county.	√	81.54	46.13
		Extension/modernization water supply/sewerage system in Satu Mare county.	√	19.36	12.70
		Extension/modernization water supply/sewerage system in Valcea county.	√	28.61	18.57
		Modernisation of Coslariu - Sighisoara railway	√	771.39	399.69
		Rehabilitation of DN 76	√	131.25	76.23
		Upgrading of Alexandria - Craiova TEN-T National Road	√	98.13	61.85
<b>Article 103 Total</b>			<b>44</b>	<b>7.432.37</b>	<b>2.495.31</b>
CEF	HUNGARY	"Budapest Rail Node Study: Transmissibility of the Budapest rail network on three core network corridors"	√	1.49	1.27
	ROMANIA	"Feasibility study for upgrading the Predeal-Braşov section in accordance with the Rhine-Danube Corridor parameters"	√	4.39	3.73
	SLOVAKIA	"Completion of Žilina-Teplička station and related railway infrastructure in the node of Žilina"	√	64.55	50.32
		"Implementation of GSM-R into ZSR infrastructure, Varín-KošiceČierna nad Tisou state border section Implementation of GSM-R into ZSR infrastructure, Varín-KošiceČierna nad Tisou state border section"	√	29.54	25.11
<b>CEF Total</b>		<b>4</b>	<b>99.97</b>	<b>80.43</b>	
<b>Grand Total 2017</b>			<b>93</b>	<b>17.678.06</b>	<b>8.791.57</b>

1- Projects supported by IPA follow a different approval flow and are not accounted for in this table



## Annex 7:

### Portfolio of advisory and capacity building assignments for the IPA II and Serbia mandates by country and sector at 31 December 2017

	Energy and Solid Waste	Rail, Air and Maritime	Roads	Smart Development	Water and Wastewater	Networking and Competence Centre	Multi-Sector	Active 31/12/2017	Energy and Solid Waste	Rail, Air and Maritime	Roads	Smart Development	Water and Wastewater	Networking and Competence Centre	Multi-sector	Completed in 2017	Portfolio 2017
	Active assignments per division							Completed assignments per division									
FYROM	4	6			3			13	5		1		4			10	23
MONTENEGRO	1	4			3			8								0	8
SERBIA	3	3	4		9			19	1							1	20
TURKEY	1				7			8					5			5	13
<b>TOTAL</b>	<b>9</b>	<b>13</b>	<b>4</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>6</b>		<b>1</b>		<b>9</b>			<b>16</b>	<b>64</b>

## Annex 8:

### Advisory assignments completed for the IPA II and Serbia mandates in 2017

Country / Area	Sector / Division	Project Type	Title	Total
FYROM	ENERGY AND SOLID WASTE	Major Project	Waste Management System in Vardar Region	
		Small Project	Landfill Closure Eastern Region	
		Small Project	Landfill Closure North East Region	
		Small Project	Procurement of Equipment for Waste Management System for the Eastern Region	
		Small Project	Procurement of Equipment for Waste Management System for the Northeast Region	
	ROADS	Major Project	Construction of express road A1, Section Gradsko - Drenovo	
	WATER AND WASTEWATER	Major Project	Construction of Kichevo wastewater II	
		Major Project	Wastewater collection and treatment in Bitola	
		Major Project	Wastewater collection and treatment in Tetovo	
		Small Project	WWTP Vranishta	
<b>Total</b>				<b>10</b>
SERBIA	ENERGY AND SOLID WASTE	Major Project	Gas transmission interconnector pipeline Nis-Sofia	
<b>Total</b>				<b>1</b>
TURKEY	WATER AND WASTEWATER	Major Project	Bozoyuk Integrated Water	
		Major Project	Erzurum Water and Wastewater	
		Major Project	Giresun Integrated Water	
		Major Project	Igdir Integrated Water	
		Major Project	Van Integrated Water	
<b>Total</b>				<b>5</b>
<b>Grand Total</b>				<b>16</b>



D3 Motorway Zilina, Strazov-Zilina, Brodno, Phase II (Slovakia)



# Glossary and list of acronyms used in this report

CBA:	Cost-Benefit Analysis
CEF:	Connecting Europe Facility
CF:	Cohesion Fund
CoR:	Committee of the Regions
DG NEAR:	Directorate General for Neighbourhood and Enlargement Negotiations
DG MOVE:	Directorate General for Mobility and Transport
DG REGIO:	Directorate General for Regional and Urban Policy
EBRD:	European Bank for Reconstruction and Development
ESIF:	European Structural and Investment Funds
EIA:	Environmental Impact Assessment
EFQM:	European Foundation of Quality Management
EIB:	European Investment Bank
EMU:	Electric Multiple Unit
ERDF:	European Regional Development Fund
ESIF:	European Structural and Investment Funds
ESW:	Energy and Solid Waste
EU:	European Union
IPA:	Instrument for Pre-Accession
ITI:	Integrated Territorial Investment
IQR:	Independent Quality Review
JASPERS:	Joint Action to Support Projects in European Regions
MSE:	Multi Sector Assignment
NCC:	Networking and Competence Centre
NIPAC:	National IPA Coordinator
OP:	Operational Programme
PSA:	Post-Submission Appraisal
RAM:	Rail, Air and Maritime
ROD:	Roads
SRT:	Smart Development
SUMP:	Sustainable Urban Mobility Planning
TEN-T:	Trans-European Transport Networks
TO:	Thematic Objective
WAT:	Water and Wastewater



Rehabilitation of Bitola -  
Kremenica Rail Section (Bulgaria)







[www.jaspers.eib.org](http://www.jaspers.eib.org) – [jaspers@eib.org](mailto:jaspers@eib.org)

**European Investment Bank**  
98-100, boulevard Konrad Adenauer  
L-2950 Luxembourg  
☎ +352 4379-1  
☎ +352 437704  
[www.eib.org](http://www.eib.org) – [info@eib.org](mailto:info@eib.org)



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